



Human Resources  
Development Canada

Développement des  
ressources humaines Canada

Government  
Publications



3 1761 11557843 7

NATIONAL

OCCUPATIONAL

CLASSIFICATION

---


# Career Handbook

Second Edition  
(Revised)

Canada

LM-410-05-03E

2



Digitized by the Internet Archive  
in 2022 with funding from  
University of Toronto

<https://archive.org/details/31761115578437>

## Sales and Service Occupations

MAJOR GROUP 52

SALES AND SERVICE OCCUPATIONS

521 Sales and Service Occupations

522 Sales and Service Occupations

523 Sales and Service Occupations

524 Sales and Service Occupations

525 Sales and Service Occupations

526 Sales and Service Occupations

527 Sales and Service Occupations

## **Sales and Service Occupations**

528 Sales and Service Occupations

529 Sales and Service Occupations

530 Sales and Service Occupations

531 Sales and Service Occupations

532 Sales and Service Occupations

533 Sales and Service Occupations

534 Sales and Service Occupations

535 Sales and Service Occupations

536 Sales and Service Occupations

537 Sales and Service Occupations

538 Sales and Service Occupations

539 Sales and Service Occupations

540 Sales and Service Occupations

541 Sales and Service Occupations

542 Sales and Service Occupations

543 Sales and Service Occupations

544 Sales and Service Occupations

545 Sales and Service Occupations

546 Sales and Service Occupations

547 Sales and Service Occupations

548 Sales and Service Occupations

549 Sales and Service Occupations

550 Sales and Service Occupations

551 Sales and Service Occupations

552 Sales and Service Occupations

553 Sales and Service Occupations

554 Sales and Service Occupations

555 Sales and Service Occupations

556 Sales and Service Occupations

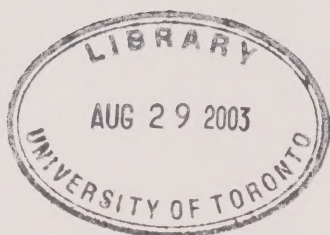
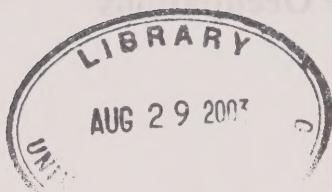
557 Sales and Service Occupations

558 Sales and Service Occupations

559 Sales and Service Occupations

560 Sales and Service Occupations





©Her Majesty the Queen in Right of Canada, represented by the Minister of  
Public Works and Government Services, 2003

Cat. No: MP53-25-5-2003E  
ISBN 0-660-18908-9

Available through your local bookseller or by mail from:  
Publishing and Depository Services  
Communication Canada  
Ottawa, Ontario  
K1A 0S9

Telephone: (613) 941-5995 / 1-800-635-7943  
Fax: (613) 954-5779 / 1-800-565-7757  
Internet: <http://publications.gc.ca>



## Sales and Service Occupations

### **MAJOR GROUP 62**

#### **SKILLED SALES AND SERVICE OCCUPATIONS**

##### **621 Sales and Service Supervisors**

- 6211 Retail Trade Supervisors
- 6212 Food Service Supervisors
- 6213 Executive Housekeepers
- 6214 Dry Cleaning and Laundry Supervisors
- 6215 Cleaning Supervisors
- 6216 Other Service Supervisors

##### **622 Technical Sales Specialists, Wholesale Trade**

- 6221 Technical Sales Specialists – Wholesale Trade

##### **623 Insurance and Real Estate Sales Occupations and Buyers**

- 6231 Insurance Agents and Brokers
- 6232 Real Estate Agents and Salespersons
- 6233 Retail and Wholesale Buyers
- 6234 Grain Elevator Operators

##### **624 Chefs and Cooks**

- 6241 Chefs
  - 6241.1 Executive Chefs
  - 6241.2 Sous-chefs
  - 6241.3 Chefs and Specialist Chefs
- 6242 Cooks

##### **625 Butchers and Bakers**

- 6251 Butchers and Meat Cutters – Retail and Wholesale
- 6252 Bakers

##### **626 Police Officers and Firefighters**

- 6261 Police Officers (Except Commissioned)
- 6262 Firefighters

##### **627 Technical Occupations in Personal Service**

- 6271 Hairstylists and Barbers
  - 6271.1 Hairstylists
  - 6271.2 Barbers
- 6272 Funeral Directors and Embalmers
  - 6272.1 Funeral Directors
  - 6272.2 Embalmers

## **MAJOR GROUP 64**

### **INTERMEDIATE SALES AND SERVICE OCCUPATIONS**

#### **641 Sales Representatives, Wholesale Trade**

6411 Sales Representatives – Wholesale Trade (Non-Technical)

#### **642 Retail Salespersons and Sales Clerks**

6421 Retail Salespersons and Sales Clerks

#### **643 Occupations in Travel and Accommodation**

6431 Travel Counsellors

6432 Purser and Flight Attendants

6432.1 Flight Attendants

6432.2 Flight Purser, Customer Service Directors and Passenger Service Directors

6432.3 Ship Purser

6433 Airline Sales and Service Agents

6433.1 Airline Passenger and Ticket Agents

6433.2 Airline Baggage Agents

6433.3 Airline Cargo Agents

6433.4 Airline Reservation Agents

6433.5 Airline Station Agents

6433.6 Airline Load Planners

6434 Ticket Agents, Cargo Service Representatives and Related Clerks (Except Airline)

6434.1 Ticket Agents and Related Clerks (Except Airline)

6434.2 Cargo Service Representatives (Except Airline)

6435 Hotel Front Desk Clerks

#### **644 Tour and Recreational Guides and Casino Occupations**

6441 Tour and Travel Guides

6441.1 Tour Guides

6441.2 Travel Guides

6442 Outdoor Sport and Recreational Guides

6443 Casino Occupations

6443.1 Gambling Casino Supervisors

6443.2 Gambling Casino Workers

#### **645 Occupations in Food and Beverage Service**

6451 Maitres d'hôtel and Hosts/Hostesses

6452 Bartenders

6453 Food and Beverage Servers

#### **646 Other Occupations in Protective Service**

6461 Sheriffs and Bailiffs

6462 Correctional Service Officers

**6463 By-law Enforcement and Other Regulatory Officers, n.e.c.**

- 6463.1 Animal Control Officers
- 6463.2 By-law Enforcement Officers
- 6463.3 Commercial Transport Inspectors
- 6463.4 Garbage Collection Inspectors
- 6463.5 Liquor Licence Inspectors
- 6463.6 Parking Control Officers
- 6463.7 Taxi Inspectors
- 6463.8 Zoning Inspectors

**6464 Occupations Unique to the Armed Forces**

**6465 Other Protective Service Occupations**

- 6465.1 Corporate Security Officers
- 6465.2 Private Investigators
- 6465.3 Retail Loss Prevention Officers

**647 Childcare and Home Support Workers**

**6471 Visiting Homemakers, Housekeepers and Related Occupations**

- 6471.1 Visiting Homemakers
- 6471.2 Housekeepers
- 6471.3 Companions
- 6471.4 Foster Parents

**6472 Elementary and Secondary School Teacher Assistants**

**6474 Babysitters, Nannies and Parents' Helpers**

- 6474.1 Babysitters
- 6474.2 Nannies and Live-in Caregivers
- 6474.3 Parents' Helpers

**648 Other Occupations in Personal Service**

**6481 Image, Social and Other Personal Consultants**

- 6481.1 Image Consultants
- 6481.2 Make-Up Consultants
- 6481.3 Colour Consultants
- 6481.4 Wedding Consultants
- 6481.5 Weight Loss Consultants

**6482 Estheticians, Electrologists and Related Occupations**

- 6482.1 Estheticians
- 6482.2 Cosmeticians
- 6482.3 Electrologists
- 6482.4 Manicurists and Pedicurists
- 6482.5 Scalp Treatment Specialists
- 6482.6 Tattoo Artists
- 6482.7 Hair Replacement Technicians (Non-Medical)

**6483 Pet Groomers and Animal Care Workers**



- 6484 Other Personal Service Occupations
  - 6484.1 Astrologers
  - 6484.2 Psychic Consultants
  - 6484.3 Other Service Providers

## **MAJOR GROUP 66**

### **ELEMENTAL SALES AND SERVICE OCCUPATIONS**

#### **661 Cashiers**

- 6611 Cashiers

#### **662 Other Sales and Related Occupations**

- 6621 Service Station Attendants
  - 6621.1 Automotive Service Station Attendants
  - 6621.2 Marina Service Station Attendants
- 6622 Grocery Clerks and Store Shelf Stockers
- 6623 Other Elemental Sales Occupations
  - 6623.1 Direct Distributors
  - 6623.2 Door-to-Door Salespersons
  - 6623.3 Street Vendors
  - 6623.4 Telephone Solicitors and Telemarketers
  - 6623.5 Demonstrators

#### **664 Food Counter Attendants, Kitchen Helpers and Related Occupations**

- 6641 Food Counter Attendants, Kitchen Helpers and Related Occupations
  - 6641.1 Food Service Counter Attendants and Food Preparers
  - 6641.2 Kitchen Helpers
  - 6641.3 Food Service Helpers
  - 6641.4 Dishwashers

#### **665 Security Guards and Related Occupations**

- 6651 Security Guards and Related Occupations

#### **666 Cleaners**

- 6661 Light Duty Cleaners
- 6662 Specialized Cleaners
  - 6662.1 Carpet and Upholstery Cleaners
  - 6662.2 Chimney Cleaners
  - 6662.3 Furnace and Ventilation System Cleaners
  - 6662.4 Sandblasters
  - 6662.5 Vehicle Cleaners
  - 6662.6 Window Cleaners
- 6663 Janitors, Caretakers and Building Superintendents

**667 Other Occupations in Travel, Accommodation, Amusement and Recreation**

6671 Operators and Attendants in Amusement, Recreation and Sport

6671.1 Amusement Attraction Operators

6671.2 Attendants in Amusement, Recreation and Sport

6672 Other Attendants in Accommodation and Travel

6672.1 Guest Service Attendants

6672.2 Baggage Porters

6672.3 Ship Attendants

6672.4 Train Service Attendants

**668 Other Elemental Service Occupations**

6681 Dry Cleaning and Laundry Occupations

6681.1 Dry Cleaning and Laundry Machine Operators

6681.2 Dry Cleaning and Laundry Inspectors and Assemblers

6682 Ironing, Pressing and Finishing Occupations

6683 Other Elemental Service Occupations

6683.1 Beauty Salon Attendants

6683.2 Door Attendants

6683.3 Funeral Home Attendants

6683.4 Laundromat Attendants

6683.5 Parking Lot Attendants and Car Jockeys

6683.6 Ticket Takers and Ushers

6683.7 Other Elemental Service Workers

# 6211 Retail Trade Supervisors

Retail trade supervisors supervise and co-ordinate the activities of workers in the following groups: *Retail Salespersons and Sales Clerks* (6421), *Cashiers* (6611), *Grocery Clerks and Store Shelf Stockers* (6622) and *Other Elemental Sales Occupations* (6623).

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	3	3	4	4	3	4	4	4

### INTERESTS

SMD

### DATA PEOPLE THINGS (DPT)

138

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
3	0	2	3	0	1

### ENVIRONMENTAL CONDITIONS (EC)

L1

### EDUCATION/TRAINING

4

## Examples of Job Titles

department store supervisor  
head cashier  
liquor store supervisor  
produce department supervisor  
rental service supervisor  
route supervisor, retail sales  
telemarketing supervisor

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to supervise and co-ordinate sales staff and cashiers
- **Verbal and numerical ability** to prepare reports on sales volumes, merchandising and personnel matters
- **Clerical perception** to ensure that payments by cheque and inventory control records are accurate
- **Social interest** in selling merchandise to customers and resolving problems such as customer complaints and supply shortages
- **Methodical interest** in co-ordinating information to maintain specified inventory, order merchandise and prepare work schedules
- **Directive interest** in **supervising** by assigning duties to workers; and in authorizing payments by cheque and the return of merchandise, and in hiring and training or arranging for the training of new staff



---

**Physical Activities**


---

**Vision**

3 Near and far vision

**Colour Discrimination**

0 Not relevant

**Hearing**

2 Verbal interaction

**Body Position**

3 Sitting, standing, walking

**Limb Co-ordination**

0 Not relevant

**Strength**

1 Limited

---

**Environmental Conditions**


---

**Location**

L1 Regulated inside climate

---

**Employment Requirements**


---

**Education/Training**

4

- Completion of secondary school is usually required.
- Previous retail sales experience such as retail salesperson or sales clerk, cashier, telemarketer, door-to-door salesperson or rental agent is required.

---

**Workplaces/Employers**


---

Businesses involved in door-to-door soliciting and telemarketing

Stores and other retail establishments

Wholesale businesses that sell on a retail basis

---

**Occupational Options**


---

Progression to management positions in retail trade is possible with additional training or experience.

---

**Similar Occupations Classified Elsewhere**


---

*Food Service Supervisors* (6212)

*Retail Trade Managers* (0621)

# 6212 Food Service Supervisors

Food service supervisors supervise, direct and co-ordinate the activities of workers who prepare, portion and serve food.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	3	3	4	4	3	4	4	4

### INTERESTS

MDs

### DATA PEOPLE THINGS (DPT)

138

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
3	1	2	3	0	1

### ENVIRONMENTAL CONDITIONS (EC)

L1, D3

### EDUCATION/TRAINING

4, 6

## Examples of Job Titles

cafeteria supervisor, food services  
canteen supervisor  
catering supervisor  
food service supervisor

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to supervise, co-ordinate and schedule activities of staff who prepare, portion and serve food
- **Verbal ability** to prepare food order summaries for chefs according to requests from dietitians, patients in hospitals and other customers
- **Numerical ability** to estimate ingredients and supplies required for meal preparation
- **Clerical perception** to order ingredients and supplies and keep accurate records
- **Methodical interest in co-ordinating** information to establish methods to meet work schedules and maintain records of stock, repairs, sales and wastage; and in ensuring that food and service meet quality control standards; may plan cafeteria menus and determine related food and labour costs
- **Directive interest in supervising** and checking assembly of regular and special diet trays, and delivery of food trolleys to hospital patients; may participate in the selection of food service staff and assist in the development of policies, procedures and budgets
- **Social interest** in training staff in job duties and sanitation and safety procedures

### Physical Activities

#### Vision

- 3 Near and far vision

#### Colour Discrimination

- 1 Relevant

#### Hearing

- 2 Verbal interaction

#### Body Position

- 3 Sitting, standing, walking

#### Limb Co-ordination

- 0 Not relevant

#### Strength

- 1 Limited

### Environmental Conditions

#### Location

- L1 Regulated inside climate

#### Discomforts

- D3 Odours

### Employment Requirements

#### Education/Training

4, 6

- Completion of secondary school is usually required.
- Completion of a community college program in food service administration, hotel and restaurant management or related discipline  
*or*  
several years of experience in food preparation or service are required.

### Similar Occupations Classified Elsewhere

Banquet captains (in 6453 *Food and Beverage Servers*)

*Maîtres d'Hôtel and Hosts/Hostesses* (6451)

*Restaurant and Food Service Managers* (0631)

### Workplaces/Employers

Cafeterias

Catering companies

Fast food outlets

Food service establishments

Health care establishments

Hospitals



# 6213 Executive Housekeepers

Executive housekeepers direct and control the operations of housekeeping departments within hotels, hospitals and other establishments.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	3	3	4	4	3	4	4	4

### INTERESTS

MDs

### DATA PEOPLE THINGS (DPT)

138

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	0	2	1	0	1

### ENVIRONMENTAL CONDITIONS (EC)

L1

### EDUCATION/TRAINING

4+, 6, 7

## Examples of Job Titles

assistant executive housekeeper  
executive housekeeper  
hospital executive housekeeper  
hotel executive housekeeper  
housekeeping director  
housekeeping manager

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to plan and co-ordinate the activities of housekeeping supervisors and their crews
- **Verbal and numerical ability** to prepare budgets, payroll and employee schedules
- **Clerical perception** to maintain financial records
- **Methodical interest in co-ordinating** information to establish and implement operational procedures; in co-ordinating the inspection of assigned areas to ensure that health regulations, safety standards and departmental policies are being met; and in maintaining an inventory
- **Directive interest in supervising** staff; in selecting and purchasing equipment and supplies; and in arranging for maintenance and repair work of equipment and machinery
- **Social interest** in hiring and training staff

---

**Physical Activities**


---

**Vision**

2 Near vision

**Colour Discrimination**

0 Not relevant

**Hearing**

2 Verbal interaction

**Body Position**

1 Sitting

**Limb Co-ordination**

0 Not relevant

**Strength**

1 Limited

---

**Environmental Conditions**


---

**Location**

L1 Regulated inside climate

---

**Employment Requirements**


---

**Education/Training**

4+, 6, 7

- Completion of secondary school is usually required.
- A university degree or college diploma in hospital management, hotel management or business administration is usually required.
- Extensive experience as a cleaning supervisor may substitute for formal education requirements.

---

**Workplaces/Employers**


---

Establishments with housekeeping departments

Hospitals

Hotels

---

**Similar Occupations Classified Elsewhere**


---

*Accommodation Service Managers*  
(0632)*Facility Operation and Maintenance Managers* (0721)Housekeeping supervisors (in 6215  
*Cleaning Supervisors*)

# 6214 Dry Cleaning and Laundry Supervisors

Dry cleaning and laundry supervisors supervise and co-ordinate the activities of workers in the following groups: *Dry Cleaning and Laundry Occupations* (6681) and *Ironing, Pressing and Finishing Occupations* (6682).

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	3	4	4	4	3	4	4	4

### INTERESTS

MDs

### DATA PEOPLE THINGS (DPT)

138

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
3	1	2	3	0	1

### ENVIRONMENTAL CONDITIONS (EC)

L1, D3

### EDUCATION/TRAINING

4

## Examples of Job Titles

dry cleaning supervisor  
foreman/woman – laundry and dry cleaning  
laundry supervisor  
production supervisor, dry cleaning

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to supervise, co-ordinate and schedule the activities of dry cleaning and laundry staff
- **Verbal and numerical ability** to requisition supplies
- **Clerical perception** to complete requisition forms
- **Methodical interest in co-ordinating** information to establish and implement production routines; and in co-ordinating work activities with other departments, and in monitoring quality and production levels
- **Directive interest in supervising** staff; and in overseeing the cleaning of suedes, leathers and other difficult-to-clean items
- **Social interest** in hiring and in training or arranging for the training of workers



---

**Physical Activities**


---

**Vision**

- 3 Near and far vision

**Colour Discrimination**

- 1 Relevant

**Hearing**

- 2 Verbal interaction

**Body Position**

- 3 Sitting, standing, walking

**Limb Co-ordination**

- 0 Not relevant

**Strength**

- 1 Limited

---

**Environmental Conditions**


---

**Location**

- L1 Regulated inside climate

**Discomforts**

- D3 Odours

---

**Employment Requirements**


---

**Education/Training**

4

- Completion of secondary school is usually required.
- Experience as a dry cleaning or laundry machine operator is required.

---

**Workplaces/Employers**


---

Commercial laundries

Dry cleaning and laundry establishments

Fur cleaning establishments

Laundries in hotels, hospitals and other institutions

---

**Occupational Options**


---

Progression to managerial positions, such as dry cleaning manager, is possible with additional training or experience.

---

**Similar Occupations Classified Elsewhere**


---

*Dry Cleaning and Laundry Occupations*  
(6681)

Dry cleaning services managers (in 0651  
*Other Services Managers*)

# 6215    Cleaning Supervisors

Cleaning supervisors supervise and co-ordinate the activities of workers in the following groups: *Light Duty Cleaners* (6661), *Specialized Cleaners* (6662) and *Janitors, Caretakers and Building Superintendents* (6663).

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	3	3	4	4	3	4	4	4

### INTERESTS

MDs

### DATA PEOPLE THINGS (DPT)

138

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
3	0	2	3	0	1

### ENVIRONMENTAL CONDITIONS (EC)

L1

### EDUCATION/TRAINING

4

## Examples of Job Titles

building cleaning supervisor  
carpet cleaning supervisor  
cleaning supervisor  
head caretaker  
head custodian  
head janitor  
window washing supervisor

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to supervise and co-ordinate the work of light duty, industrial and specialized cleaners and janitors
- **Verbal and numerical ability** to prepare budgets and estimate costs, and receive payment for specialized cleaning jobs
- **Clerical ability** to keep financial records
- **Methodical interest in co-ordinating** information to prepare work schedules and co-ordinate activities with those of other departments; and in inspecting sites and facilities to ensure that they meet established safety and cleanliness standards
- **Directive interest in supervising** the activities of workers; and in recommending and arranging for additional services such as painting, repair work, renovations and replacement of furnishings and equipment
- **Social interest** in hiring and training staff; may perform certain cleaning duties

---

**Physical Activities**


---

**Vision**

3 Near and far vision

**Colour Discrimination**

0 Not relevant

**Hearing**

2 Verbal interaction

**Body Position**

3 Sitting, standing, walking

**Limb Co-ordination**

0 Not relevant

**Strength**

1 Limited

---

**Environmental Conditions**


---

**Location**

L1 Regulated inside climate

---

**Employment Requirements**


---

**Education/Training**

4

- Completion of secondary school is usually required.
- Previous experience in a particular area of cleaning is usually required.
- Previous supervisory experience may be required.

---

**Workplaces/Employers**


---

Cleaning companies

Commercial and industrial establishments

Home and office cleaning establishments

Hospitals and other health care institutions

Hotels

Motels

Schools and other educational institutions

Specialized cleaning companies

---

**Similar Occupations Classified Elsewhere**


---

Building maintenance supervisors (in 7219 *Contractors and Supervisors, Other Construction Trades, Installers, Repairers and Servicers*)

*Executive Housekeepers* (6213)

*Specialized Cleaners* (6662)

# 6216 Other Service Supervisors

Supervisors in this group supervise and co-ordinate the activities of hotel accommodation service clerks, theatre ushers and attendants, reservation clerks, sport and recreation club workers, commissionaires, security guards and other service workers not elsewhere classified.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	3	4	4	4	3	4	4	4

### INTERESTS

SMD

### DATA PEOPLE THINGS (DPT)

138

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
3	0	2	3	0	1

### ENVIRONMENTAL CONDITIONS (EC)

L1, L3\*

### EDUCATION/TRAINING

4, R

## Examples of Job Titles

campground supervisor  
hotel clerk supervisor  
parking lot supervisor  
reservations supervisor  
supervisor, clubhouse attendants  
supervisor, commissionaires  
supervisor, security guards  
supervisor, ski lift attendants  
supervisor, theatre attendants  
supervisor, ticket takers  
tour guide supervisor  
travel clerk supervisor

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to co-ordinate, assign and review the work of hotel, motel and other accommodation service clerks, theatre ushers and attendants, reservation clerks, sport and recreation club workers, commissionaires and other service workers not elsewhere classified; may perform the same duties as workers
- **Verbal ability and clerical perception** to prepare and submit progress and other reports, and to requisition supplies and materials
- **Social interest** in resolving work-related problems and hiring and training staff in job duties, safety procedures and company policies
- **Methodical interest** in co-ordinating information to establish work schedules and procedures, and in co-ordinating activities with other work units and departments
- **Directive interest** in supervising the activities of workers; in ensuring smooth operation of computer systems, equipment and machinery; and in arranging for maintenance and repair work



---

**Physical Activities**
**Vision**

3 Near and far vision

**Colour Discrimination**

0 Not relevant

**Hearing**

2 Verbal interaction

**Body Position**

3 Sitting, standing, walking

**Limb Co-ordination**

0 Not relevant

**Strength**

1 Limited

---

**Environmental Conditions**
**Location**

L1 Regulated inside climate

L3\* Outside

---

**Employment Requirements**
**Education/Training**

4, R

- Completion of secondary school is usually required.
- Completion of college courses related to area supervised may be required.
- Experience in the occupation supervised is usually required.
- Certification or licensing may be required for some occupations in this group (i.e., supervisors of commissionaires or security guards).

---

**Workplaces/Employers**

Service establishments throughout the private and public sectors

---

**Similar Occupations Classified Elsewhere**
*Accommodation Service Managers (0632)**Cleaning Supervisors (6215)**Dry Cleaning and Laundry Supervisors (6214)**Executive Housekeepers (6213)**Food Service Supervisors (6212)**Other Services Managers (0651)**Retail Trade Supervisors (6211)*


---

**Remarks**

\*Environmental Conditions

- For some occupations in this group, Location L3 (Outside) may also apply.

# 6221 Technical Sales Specialists – Wholesale Trade

Technical sales specialists, wholesale trade, sell a range of technical goods and services such as scientific and industrial products, electricity, telecommunications services and computer services to governments and commercial and industrial establishments in domestic and international localities. Technical sales specialists who are supervisors are included in this group.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
2	2	3	3	3	3	4	4	4

### INTERESTS

OSi

### DATA PEOPLE THINGS (DPT)

258

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	0	2	1	0	1

### ENVIRONMENTAL CONDITIONS (EC)

L1

### EDUCATION/TRAINING

6, 7, +

## Examples of Job Titles

aircraft sales representative  
communication equipment sales representative  
construction equipment sales representative  
electricity sales representative  
heavy equipment sales representative  
industrial supplies sales representative  
medical instruments sales agent  
sales engineer, technical support  
software sales representative  
technical sales representative  
technical sales supervisor  
technical support specialist

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to assess clients' needs and resources, and to recommend the appropriate goods and services
- **Verbal ability** to develop reports and proposals as part of sales presentations that illustrate the benefits of goods and services; may conduct sales transactions through Internet based electronic commerce
- **Numerical ability** to estimate costs of installing and maintaining equipment and service
- **Spatial and form perception** to provide input for product design where goods and services must be tailored to meet clients' needs
- **Clerical perception** to prepare and administer sales contracts
- **Objective interest** in troubleshooting technical problems related to equipment; may train customers' staff in the operation and maintenance of equipment
- **Social interest in persuading** to promote sales to existing clients; may supervise the activities of other technical sales specialists
- **Innovative interest in analyzing** information to identify and solicit potential clients, and to consult with clients after sale to resolve problems and provide ongoing support

---

**Physical Activities**


---

**Vision**

2 Near vision

**Colour Discrimination**

0 Not relevant

**Hearing**

2 Verbal interaction

**Body Position**

1 Sitting

**Limb Co-ordination**

0 Not relevant

**Strength**

1 Limited

---

**Environmental Conditions**


---

**Location**

L1 Regulated inside climate

---

**Employment Requirements**


---

**Education/Training**

6, 7, +

- A university degree or college diploma in a program related to the product or service is usually required.
- Experience in sales or in a technical occupation related to the product or service may be required.
- Fluency in a specific foreign language, and/or foreign work or travel experience may be required for technical sales specialists seeking employment with companies that import or export technical goods or services.
- Technical sales supervisors require experience as a technical sales specialist.

---

**Workplaces/Employers**


---

Computer service firms  
 Engineering firms  
 Hydro-electric companies  
 Industrial equipment manufacturing companies  
 Pharmaceutical companies  
 Self-employment

---

**Occupational Options**


---

Extensive company training programs for technical sales specialists may be provided by employers.

Progression to sales management positions is possible with additional training or experience.

---

**Similar Occupations Classified Elsewhere**


---

*Retail Salespersons and Sales Clerks*  
 (6421)

*Sales, Marketing and Advertising Managers* (0611)

*Sales Representatives – Wholesale Trade (Non-Technical)* (6411)

---

**Remarks**


---

Technical sales specialists usually specialize in a particular line of goods or services.

# 6231 Insurance Agents and Brokers

Insurance agents and brokers sell life, automobile, property, health and other types of insurance to individuals, businesses and public institutions. Insurance agents sell individual companies' products to clients. Insurance brokers seek appropriate insurance products through several insurance companies on behalf of clients.

## Profile Summary

APTITUDES								
G	V	N	S	P	Q	K	F	M
3	3	3	4	4	3	4	4	4
INTERESTS								
MSd								
DATA PEOPLE THINGS (DPT)								
358								
PHYSICAL ACTIVITIES (PA)								
V	C	H	B	L	S			
2	0	2	1	0	1			
ENVIRONMENTAL CONDITIONS (EC)								
L1								
EDUCATION/TRAINING								
4, 5, R								

## Examples of Job Titles

insurance agent  
insurance broker  
insurance sales representative

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to establish client insurance coverage and method of payment
- **Verbal ability** to provide information concerning group and individual insurance packages, the range of risk coverage, benefits paid and other policy features
- **Numerical ability** and **clerical perception** to calculate premiums using insurance tables and to prepare insurance policies
- **Methodical interest** in **compiling** information to ensure appropriate forms, medical examinations and other policy requirements are completed; and to identify potential clientele
- **Social interest** in **persuading** to solicit potential clientele and to sell automobile, fire, health, property, marine, aircraft and other types of insurance to clients
- **Directive interest** in monitoring insurance claims and in responding to clients' enquiries



---

**Physical Activities**


---

**Vision**

2 Near vision

**Colour Discrimination**

0 Not relevant

**Hearing**

2 Verbal interaction

**Body Position**

1 Sitting

**Limb Co-ordination**

0 Not relevant

**Strength**

1 Limited

---

**Environmental Conditions**


---

**Location**

L1 Regulated inside climate

---

**Employment Requirements**


---

**Education/Training**

4, 5, R

- Completion of secondary school is usually required.
- On-the-job training and insurance industry courses and training programs are provided and required for employment.
- Licensure by the insurance governing body in the province or territory of employment is required.

---

**Workplaces/Employers**


---

Brokerage firms

Insurance companies

---

**Occupational Options**


---

Completion of educational programs through the Insurance Institute of Canada or its provincial counterparts entitles agents to professional recognition as a Chartered Insurance Professional (CIP), and with additional university courses, as a Fellow Chartered Insurance Professional (FCIP).

Progression to insurance management positions is possible through experience.

Completion of educational courses through the Canadian Association of Insurance and Financial Advisors allows for various levels of professional designations for insurance and financial advisors.

---

**Similar Occupations Classified Elsewhere**


---

Insurance managers (in 0121 *Insurance, Real Estate and Financial Brokerage Managers*)

*Insurance Underwriters* (1234)

# 6232 Real Estate Agents and Salespersons

Real estate agents and salespersons act as agents for the sales or purchase of houses, apartments, commercial buildings, land and other real estate.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	3	3	4	4	3	4	4	4

### INTERESTS

SMD

### DATA PEOPLE THINGS (DPT)

358

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
3	0	2	3	0	1

### ENVIRONMENTAL CONDITIONS (EC)

L1

### EDUCATION/TRAINING

4, R

## Examples of Job Titles

- commercial real estate agent
- real estate agent
- real estate broker
- real estate sales representative
- residential real estate agent
- supervisor, real estate agents

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to assist vendors in selling property by establishing asking price, advertising the property, listing the property with listing services and conducting open houses for prospective buyers
- **Verbal ability** to draw up sales agreements for approval of purchasers and sellers
- **Numerical ability** to calculate data when establishing asking price and writing up offers to purchase
- **Clerical perception** to prepare sales agreements and related documents
- **Social interest in persuading** to solicit property sales listings from prospective vendors; may rent or lease properties on behalf of clients
- **Methodical interest in compiling** information to advise clients on market conditions, prices, mortgages, legal requirements and related matters
- **Directive interest** in assisting prospective buyers in selecting, visiting, inspecting and making offers to purchase on real estate properties

### Physical Activities

#### Vision

- 3 Near and far vision

#### Colour Discrimination

- 0 Not relevant

#### Hearing

- 2 Verbal interaction

#### Body Position

- 3 Sitting, standing, walking

#### Limb Co-ordination

- 0 Not relevant

#### Strength

- 1 Limited

### Environmental Conditions

#### Location

- L1 Regulated inside climate

### Employment Requirements

#### Education/Training

- 4, R

- Completion of secondary school is required.
- Completion of a real estate training course is required.
- Licensing in the province or territory of employment is required.

### Workplaces/Employers

Real estate companies

### Occupational Options

Real estate agents may operate independently by obtaining a broker's licence in accordance with the regulations of the province of employment. A broker's licence is required to become a manager in real estate.

### Similar Occupations Classified Elsewhere

*Assessors, Valuers and Appraisers* (1235)

*Insurance, Real Estate and Financial Brokerage Managers* (0121)

Mortgage brokers (in 1114 *Other Financial Officers*)

Rental agents (in 1224 *Property Administrators*)

Right-of-way agents (in 1225 *Purchasing Agents and Officers*)

### Remarks

Real estate agents and salespersons may specialize in residential, commercial, industrial/institutional or rural real estate sales.

Real estate agents and salespersons normally work on a commission basis.





---

**Physical Activities**


---

**Vision**

- 2 Near vision

**Colour Discrimination**

- 1 Relevant

**Hearing**

- 2 Verbal interaction

**Body Position**

- 3 Sitting, standing, walking

**Limb Co-ordination**

- 0 Not relevant

**Strength**

- 1 Limited

---

**Environmental Conditions**


---

**Location**

- L1 Regulated inside climate

---

**Employment Requirements**


---

**Education/Training**

6+, 7+

- Completion of secondary school is required.
- A university degree or college diploma in business, marketing or a related program is usually required.
- Previous work experience in retail or wholesale establishments is usually required.
- Supervisors and senior buyers require supervisory experience.

---

**Workplaces/Employers**


---

Retail and wholesale establishments

---

**Occupational Options**


---

Retail and wholesale buyers may specialize through experience or product-related training courses.

Progression to management positions in retail trade, sales, marketing or advertising is possible with additional training or experience.

---

**Similar Occupations Classified Elsewhere**


---

*Purchasing Agents and Officers (1225)*

---

**Remarks**


---

Retail and wholesale buyers may specialize in a particular merchandise line.

# 6234 Grain Elevator Operators

Grain elevator operators purchase grain from farmers, determine the grade, quality and weight of grain delivered, and maintain records for farmers and companies.

</

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to purchase grain and arrange for its transport and storage
- **Verbal ability** to report data to grain companies and the Canadian Wheat Board
- **Numerical ability** to calculate grain quota from information supplied by farmers and the Canadian Wheat Board
- **Clerical perception** to record quota and subsequent deliveries of grain from individual farmers, and to weigh and record type of grain that has been received or is in storage
- **Methodical interest in analyzing** information to examine grain samples and conduct tests to determine grade and quality of grain
- **Social interest in supervising** the activities of workers; and in acting as a farm supply sales agent for fertilizers, insecticides and other farm supplies
- **Directive interest in controlling** equipment to clean and move grain in elevators, and to load trucks and rail cars; and to maintain proper operation of elevator equipment

---

**Physical Activities**


---

**Vision**

- 3 Near and far vision

**Colour Discrimination**

- 0 Not relevant

**Hearing**

- 2 Verbal interaction

**Body Position**

- 3 Sitting, standing, walking

**Limb Co-ordination**

- 1 Upper limb co-ordination

**Strength**

- 2 Light

---

**Environmental Conditions**


---

**Location**

- L2 Unregulated inside climate

**Hazards**

- H3 Equipment, machinery, tools

**Discomforts**

- D4 Non-toxic dusts

---

**Employment Requirements**


---

**Education/Training**

- 4+, R

- Completion of secondary school is usually required.
- Several years of experience working in a grain elevator are required.
- On-the-job training is provided.
- A pesticide dispenser's licence is required by licensed grain elevator operators.
- Grain elevator operators who sell pesticides require a dealer or vendor licence.

---

**Workplaces/Employers**


---

Licensed grain elevator companies

---

**Occupational Options**


---

Progression from grain elevator manager to district manager is possible with experience.

---

**Similar Occupations Classified Elsewhere**


---

Managers of grain terminal elevators (in 0721 *Facility Operation and Maintenance Managers*)

# 6241.1 Executive Chefs

Executive chefs plan and direct food preparation and cooking activities. They may prepare and cook meals and specialty foods.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	3	3	4	4	3	4	4	4

### INTERESTS

DMI

### DATA PEOPLE THINGS (DPT)

138

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	1	2	1	0	1

### ENVIRONMENTAL CONDITIONS (EC)

L1, D3

### EDUCATION/TRAINING

4+, 5+, R

## Examples of Job Titles

corporate chef  
executive chef  
executive sous-chef

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning** and **verbal ability** to plan and direct food preparation and cooking activities of several restaurants in an establishment and for restaurant chains, hospitals and other organizations with food services
- **Numerical ability** to estimate food requirements; may estimate food and labour costs
- **Clerical perception** to prepare requisitions for equipment purchases, repairs and supplies
- **Directive interest** in **supervising** the activities of sous-chefs, specialist chefs, chefs and cooks; and in recruiting and hiring staff
- **Methodical interest** in **co-ordinating** information to ensure food meets quality standards; may prepare and cook food on a regular basis or for special guests or functions
- **Innovative interest** in planning menus



## Physical Activities

<b>Vision</b>	
2	Near vision
<b>Colour Discrimination</b>	
1	Relevant
<b>Hearing</b>	
2	Verbal interaction
<b>Body Position</b>	
1	Sitting
<b>Limb Co-ordination</b>	
0	Not relevant
<b>Strength</b>	
1	Limited

## Environmental Conditions

<b>Location</b>	
L1	Regulated inside climate
<b>Discomforts</b>	
D3	Odours

## Employment Requirements

Education/Training  
4+, 5+, R

- Completion of secondary school is usually required.
- Cook's trade certification, which is available in all provinces and territories, or equivalent credentials, training and experience, are required.
- Interprovincial trade certification (Red Seal) for cooks is also available to qualified chefs.
- Executive chefs usually require management training and several years of experience in commercial food preparation, including two years in a supervisory capacity *and* experience as a sous-chef, specialist chef or chef.
- Chef de cuisine certification, administered by the Canadian Culinary Institute of the Canadian Federation of Chefs and Cooks (CFCC), is available to qualified chefs.

## Workplaces/Employers

Central food commissaries  
Clubs and similar establishments  
Hospitals and other health care institutions  
Hotels  
Restaurants  
Ships

## Occupational Options

There is some mobility among the various types of chefs in the 6241 group.

Executive chefs may progress to managerial positions in food preparation establishments.

Red Seal trade certification allows for interprovincial mobility.

## Similar Occupations Classified Elsewhere

*Cooks (6242)*

*Food Counter Attendants, Kitchen Helpers and Related Occupations (6641)*

*Restaurant and Food Service Managers (0631)*

## 6241.2 Sous-Chefs

Sous-chefs plan and direct food preparation and cooking activities. They may prepare and cook meals and specialty foods.

### Profile Summary

#### APTITUDES

G	V	N	S	P	Q	K	F	M
3	3	3	4	4	4	3	3	3

#### INTERESTS

MDO

#### DATA PEOPLE THINGS (DPT)

131

#### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	1	2	2	1	2

#### ENVIRONMENTAL CONDITIONS (EC)

L1, H3, H7, D3

#### EDUCATION/TRAINING

4+, 5+, R

### Examples of Job Titles

sous-chef

### Descriptor Profile

#### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to acquire and use techniques for planning menus and ordering, storing, preparing and cooking foods
- **Verbal and numerical ability** to requisition food and kitchen supplies
- **Motor co-ordination and manual and finger dexterity** to cut, decorate and carve food, and to work with kitchen utensils
- **Methodical interest in co-ordinating** information on menus, food arrangements and cooking methods; may plan menus and prepare and cook meals or specialty foods
- **Directive interest** in supervising activities of specialist chefs, chefs, cooks and other kitchen workers
- **Objective interest in precision working** to demonstrate new cooking techniques and new equipment to staff

## Physical Activities

### Vision

- 2 Near vision

### Colour Discrimination

- 1 Relevant

### Hearing

- 2 Verbal interaction

### Body Position

- 2 Standing and/or walking

### Limb Co-ordination

- 1 Upper limb co-ordination

### Strength

- 2 Light

## Environmental Conditions

### Location

- L1 Regulated inside climate

### Hazards

- H3 Equipment, machinery, tools
- H7 Fire, steam, hot surfaces

### Discomforts

- D3 Odours

## Employment Requirements

### Education/Training

4+, 5+, R

- Completion of secondary school is usually required.
- Cook's trade certification, which is available in all provinces and territories, or equivalent credentials, training and experience, are required.
- Interprovincial trade certification (Red Seal) for cooks is also available to qualified chefs.
- Sous-chefs usually require several years of experience in commercial food preparation.
- Chef de cuisine certification, administered by the Canadian Culinary Institute of the Canadian Federation of Chefs and Cooks (CFCC), is available to qualified chefs.

## Workplaces/Employers

Central food commissaries

Clubs and similar establishments

Hospitals and other health care institutions

Hotels

Restaurants

Ships

## Occupational Options

There is some mobility among the various types of chefs in the 6241 group.

Red Seal trade certification allows for interprovincial mobility.

## Similar Occupations Classified Elsewhere

*Cooks (6242)*

*Food Counter Attendants, Kitchen Helpers and Related Occupations (6641)*

*Restaurant and Food Service Managers (0631)*

## 6241.3 Chefs and Specialist Chefs

Chefs and specialist chefs prepare and cook meals and specialty foods. They also plan and supervise cooking activities.

### Profile Summary

#### APTITUDES

G	V	N	S	P	Q	K	F	M
3	3	3	4	3	4	3	3	3

#### INTERESTS

MDO

#### DATA PEOPLE THINGS (DPT)

231

#### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	1	2	2	1	2

#### ENVIRONMENTAL CONDITIONS (EC)

L1, H3, H7, D3

#### EDUCATION/TRAINING

4+, 5+, R

### Examples of Job Titles

chef  
chef de cuisine  
chef de partie  
head chef  
master chef  
pastry chef  
saucier  
specialist chef

### Descriptor Profile

#### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to acquire and use techniques for planning menus and ordering, storing, preparing and cooking foods
- **Verbal ability** to instruct cooks in the preparation, cooking, garnishing and presentation of food
- **Numerical ability** to estimate food requirements and costs; may requisition food and kitchen supplies
- **Form perception** to examine foods for freshness and proper cooking
- **Motor co-ordination and finger dexterity** to cut, decorate and carve food, and to work with kitchen utensils
- **Manual dexterity** to slice and disjoint meat and poultry, mix ingredients, portion foods, knead and stretch dough, and stir soups and sauces
- **Methodical interest in analyzing** information on menus, food arrangements and cooking methods; may plan menus
- **Directive interest in supervising** cooks and other kitchen staff
- **Objective interest in precision working** to prepare and cook complete meals, banquets and specialty foods such as pastries, sauces, soups, salads, vegetables and meat, poultry and fish dishes, and to create decorative food displays



## Physical Activities

### Vision

- 2 Near vision

### Colour Discrimination

- 1 Relevant

### Hearing

- 2 Verbal interaction

### Body Position

- 2 Standing and/or walking

### Limb Co-ordination

- 1 Upper limb co-ordination

### Strength

- 2 Light

## Environmental Conditions

### Location

- L1 Regulated inside climate

### Hazards

- H3 Equipment, machinery, tools
- H7 Fire, steam, hot surfaces

### Discomforts

- D3 Odours

## Employment Requirements

### Education/Training

4+, 5+, R

- Completion of secondary school is usually required.
- Cook's trade certification, which is available in all provinces and territories, or equivalent credentials, training and experience, are required.
- Interprovincial trade certification (Red Seal) for cooks is also available to qualified chefs.
- Specialist chefs and chefs usually require several years of experience in commercial food preparation.

## Workplaces/Employers

Central food commissaries  
 Clubs and similar establishments  
 Hospitals and other health care institutions  
 Hotels  
 Restaurants  
 Ships

## Occupational Options

There is some mobility among the various types of chefs in the 6241 group.

Red Seal trade certification allows for interprovincial mobility.

## Similar Occupations Classified Elsewhere

*Cooks* (6242)

*Food Counter Attendants, Kitchen Helpers and Related Occupations* (6641)

*Restaurant and Food Service Managers* (0631)

# 6242 Cooks

Cooks prepare and cook a wide variety of foods. Apprentice cooks are included in this group.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	3	3	4	3	4	3	4	3

### INTERESTS

MOd

### DATA PEOPLE THINGS (DPT)

331

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	1	2	2	1	2

### ENVIRONMENTAL CONDITIONS (EC)

L1, H3, H7, D3, D5

### EDUCATION/TRAINING

4, 5, 6, R

## Examples of Job Titles

apprentice cook  
 cook  
 dietary cook  
 first cook  
 grill cook  
 hospital cook  
 institutional cook  
 journeyman/woman cook  
 licensed cook  
 line cook  
 second cook  
 short order cook

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to acquire and use techniques for preparing and cooking foods, and to determine size of food portions
- **Verbal ability** to order supplies
- **Numerical ability** to estimate food requirements and costs
- **Form perception** to examine foods for freshness and proper cooking
- **Motor co-ordination** to cut, decorate and carve food, and to work with kitchen utensils
- **Manual dexterity** to slice and disjoint meat and poultry, mix ingredients, portion foods, knead and stretch dough, and stir soups and sauces
- **Methodical interest in compiling** information to monitor food and supplier inventory
- **Objective interest in precision working** to prepare and cook complete meals and individual dishes and foods, and to prepare and cook special meals for patients as instructed by dietitians and chefs
- **Directive interest in supervising** kitchen helpers; and in overseeing subordinate personnel in the preparation, cooking and handling of food

### Physical Activities

#### Vision

- 2 Near vision

#### Colour Discrimination

- 1 Relevant

#### Hearing

- 2 Verbal interaction

#### Body Position

- 2 Standing and/or walking

#### Limb Co-ordination

- 1 Upper limb co-ordination

#### Strength

- 2 Light

### Environmental Conditions

#### Location

- L1 Regulated inside climate

#### Hazards

- H3 Equipment, machinery, tools
- H7 Fire, steam, hot surfaces

#### Discomforts

- D3 Odours
- D5 Wetness

### Employment Requirements

#### Education/Training

4, 5, 6, R

- Completion of secondary school is usually required.

- Completion of a three-year apprenticeship program for cooks  
*or*  
completion of college or other program in cooking  
*or*  
several years of commercial cooking experience are required.

- Trade certification is available, but voluntary, in all provinces and territories.

- Interprovincial trade certification (Red Seal) is also available to qualified cooks.

### Workplaces/Employers

Central food commissaries

Construction and logging camp sites

Educational institutions

Hospitals and other health care institutions

Hotels

Restaurants

Ships

### Occupational Options

There is mobility among the various types of cooks in this group.

Progression to supervisory or more senior positions, such as chef, is possible with experience and training.

Red Seal trade certification allows for interprovincial mobility.

### Similar Occupations Classified Elsewhere

*Chefs* (6241)

*Food Counter Attendants, Kitchen Helpers and Related Occupations* (6641)

### Remarks

Cooks may specialize in preparing and cooking ethnic cuisine or special dishes.

# 6251 Butchers and Meat Cutters – Retail and Wholesale

Butchers and meat cutters, retail and wholesale, prepare standard cuts of meat, poultry, fish and shellfish for sale in retail and wholesale food establishments. Butchers who are supervisors and department heads are included in this group.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	4	4	3	3	5	3	3	3

### INTERESTS

MOd

### DATA PEOPLE THINGS (DPT)

381

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	1	1	2	1	3

### ENVIRONMENTAL CONDITIONS (EC)

L1, L2, H3, D3

### EDUCATION/TRAINING

2, 5, 6, R

## Examples of Job Titles

butcher apprentice

butcher, retail

head butcher – wholesale

meat cutter – retail or wholesale

supermarket meat cutter

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to cut, trim and otherwise prepare standard cuts of meat, poultry, fish and shellfish for sale at self-serve counters or according to customers' orders
- **Spatial and form perception** to prepare special displays of meat, poultry, fish and shellfish
- **Motor co-ordination and finger and manual dexterity** to shape, lace and tie roasts and other meats, poultry and fish; may wrap prepared meats, poultry, fish and shellfish
- **Methodical interest in compiling** information to process customers' orders; and to maintain inventories and keep records of meat sales
- **Objective interest in precision working** to grind meats and slice cooked meats using powered grinders and slicing machines
- **Directive interest** in determining the amounts and types of meat cuts to be prepared; may supervise other butchers and meat cutters

---

**Physical Activities**


---

**Vision**

- 2 Near vision

**Colour Discrimination**

- 1 Relevant

**Hearing**

- 1 Limited

**Body Position**

- 2 Standing and/or walking

**Limb Co-ordination**

- 1 Upper limb co-ordination

**Strength**

- 3 Medium

---

**Environmental Conditions**


---

**Location**

- L1 Regulated inside climate
- L2 Unregulated inside climate

**Hazards**

- H3 Equipment, machinery, tools

**Discomforts**

- D3 Odours

---

**Employment Requirements**


---

**Education/Training**

- 2, 5, 6, R

- Completion of secondary school may be required.
- Completion of a college or other meat cutting training program, or a three-year meat cutting apprenticeship may be required.
- On-the-job training in food stores is usually provided for retail butchers and meat cutters.

- Trade certification is available, but voluntary, in British Columbia.

---

**Workplaces/Employers**


---

Butcher shops  
 Fish stores  
 Grocery stores  
 Self-employment  
 Supermarkets

---

**Similar Occupations Classified Elsewhere**


---

*Industrial Butchers and Meat Cutters,  
 Poultry Preparers and Related Workers  
 (9462)*



# 6252 Bakers

Bakers prepare bread, rolls, muffins, pies, pastries, cakes and cookies in retail and wholesale bakeries and dining establishments. Bakers who are supervisors are included in this group.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	3	3	3	3	4	3	3	3

### INTERESTS

MOd

### DATA PEOPLE THINGS (DPT)

382

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	1	1	2	1	2

### ENVIRONMENTAL CONDITIONS (EC)

L1, H3, H7, D3, D4

### EDUCATION/TRAINING

5, 6, R

## Examples of Job Titles

baker

baker apprentice

bakery supervisor

head baker

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to prepare dough for pies, bread and rolls and sweet goods, and batters for muffins, cookies, cakes, icing and frostings according to recipes and special customer orders
- **Verbal and numerical ability** to purchase baking supplies
- **Spatial perception** to visualize and prepare three-dimensional decorating forms for cakes and other baked goods
- **Form perception** to make sure that baked and confectionery goods conform to standards
- **Motor co-ordination and finger dexterity** to frost and decorate cakes and other baked goods
- **Manual dexterity** to mix ingredients by hand, measure and weigh ingredients, knead and roll dough, and use various baking utensils
- **Methodical interest** in compiling information to record production data and draw up production schedules to determine type and quantity of goods to produce; and to ensure quality of products meets established standards
- **Objective interest** in controlling machinery and equipment to mix and bake doughs and batters
- **Directive interest** in hiring, training and supervising staff; may oversee sales and merchandising of baked goods

---

**Physical Activities**


---

**Vision**

- 2 Near vision

**Colour Discrimination**

- 1 Relevant

**Hearing**

- 1 Limited

**Body Position**

- 2 Standing and/or walking

**Limb Co-ordination**

- 1 Upper limb co-ordination

**Strength**

- 2 Light

---

**Environmental Conditions**


---

**Location**

- L1 Regulated inside climate

**Hazards**

- H3 Equipment, machinery, tools
- H7 Fire, steam, hot surfaces

**Discomforts**

- D3 Odours
- D4 Non-toxic dusts

---

**Employment Requirements**


---

**Education/Training**

5, 6, R

- Completion of secondary school is usually required.
- Completion of a three- or four-year apprenticeship program for bakers *or* completion of a college or other program for bakers is usually required.
- On-the-job training may be provided.
- Trade certification is available, but voluntary, in Newfoundland and Labrador, Prince Edward Island, Nova Scotia, New Brunswick, Quebec, Ontario, Alberta, British Columbia, Nunavut, the Northwest Territories and the Yukon Territory.
- Interprovincial trade certification (Red seal) is also available to qualified bakers.

---

**Workplaces/Employers**


---

Bakeries  
 Catering companies  
 Hospitals and other institutions  
 Hotels  
 Restaurants  
 Self-employment  
 Supermarkets

---

**Occupational Options**


---

Red Seal trade certification allows for interprovincial mobility.

---

**Similar Occupations Classified Elsewhere**


---

Baking machine operators (in 9461 *Process Control and Machine Operators, Food and Beverage Processing*)  
 Pastry chefs (in 6241 *Chefs*)

# 6261 Police Officers (Except Commissioned)

Police officers protect the public, detect and prevent crime and perform other activities directed at maintaining law and order. This group includes military police and railway police.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	3	3	3	3	4	3	4	3

### INTERESTS

MDS

### DATA PEOPLE THINGS (DPT)

263

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
4	1	2	3	2	4

### ENVIRONMENTAL CONDITIONS (EC)

L1, L3, L4\*, H3, H8

### EDUCATION/TRAINING

5+, 6+, 7+

## Examples of Job Titles

community relations officer  
constable  
crime prevention constable  
detective  
harbour police officer  
highway patrol officer  
military police officer  
police cadet  
police diver  
police officer  
police sergeant  
railway police officer  
RCMP officer

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to protect the public, detect and prevent crime and perform other activities directed at maintaining law and order
- **Verbal ability** to interview witnesses, compile notes and reports and provide testimony in courts of law
- **Numerical ability** and **spatial** and **form perception** to secure evidence
- **Motor co-ordination** and **manual dexterity** to provide emergency assistance to victims of accidents, crimes and natural disasters
- **Methodical interest** in **analyzing** information to investigate crimes and accidents
- **Directive interest** in **driving** when patrolling assigned areas to maintain public safety and order; and in enforcing laws and regulations and arresting criminal suspects; may supervise and co-ordinate the work of other police officers
- **Social interest** in **speaking** to the public when participating in crime prevention, public information and safety programs

---

**Physical Activities**


---

**Vision**

- 4 Total visual field

**Colour Discrimination**

- 1 Relevant

**Hearing**

- 2 Verbal interaction

**Body Position**

- 3 Sitting, standing, walking

**Limb Co-ordination**

- 2 Multiple limb co-ordination

**Strength**

- 4 Heavy

---

**Environmental Conditions**


---

**Location**

- L1 Regulated inside climate
- L3 Outside
- L4\* In a vehicle or cab

**Hazards**

- H3 Equipment, machinery, tools
- H8 Dangerous locations

---

**Employment Requirements**


---

**Education/Training**

5+, 6+, 7+

- Completion of secondary school is required.
- Completion of a college program or university degree in law and security or in the social sciences may be required.
- A three- to six-month police training program is provided.
- Physical agility, strength, fitness and vision requirements must be met, and psychological or other tests may also be required.
- Experience as a constable and the completion of specialized courses are required for detectives and sergeants.

---

**Workplaces/Employers**


---

Armed forces

Municipal, provincial, regional and federal governments

---

**Occupational Options**


---

Progression to commissioned police officer positions is possible with additional training and experience.

---

**Similar Occupations Classified Elsewhere**


---

*By-law Enforcement and Other Regulatory Officers, n.e.c. (6463)*

*Commissioned Police Officers (0641)*

*Private detectives (in 6465 Other Protective Service Occupations)*

*Sheriffs and Bailiffs (6461)*

---

**Remarks**


---

\*Environmental Conditions

- For some occupations in this group, Location L4 (In a vehicle or cab) may also apply.

# 6262 Firefighters

Firefighters carry out firefighting and fire prevention activities, and assist in other emergencies.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	3	4	3	3	5	3	4	3

### INTERESTS

OMD

### DATA PEOPLE THINGS (DPT)

358

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
4	0	2	4	2	4

### ENVIRONMENTAL CONDITIONS (EC)

L1, L2, L3, H1, H3, H4, H6, H7, H8, D1, D3, D4, D5

### EDUCATION/TRAINING

4+, 5+, 6+

## Examples of Job Titles

airport firefighter  
fire captain  
firefighter  
firefighter, shipboard  
industrial firefighter  
lieutenant, firefighters

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to carry out firefighting and fire prevention activities, to respond to other calls for assistance such as automobile and industrial accidents, bomb threats and other emergencies, and to assist the public, the police and emergency organizations during times of major disasters; may participate as members of trauma or emergency response teams
- **Verbal ability and spatial and form perception** to rescue victims from burning buildings and accident sites
- **Motor co-ordination and manual dexterity** to control and extinguish fires using manual and power equipment such as axes, water hoses, aerial ladders and hydraulic equipment
- **Objective interest** in ensuring proper operation and maintenance of firefighting equipment
- **Methodical interest in compiling** information to administer first aid and other assistance and to use various firefighting chemicals; and in training to maintain a high level of physical fitness; may provide para-medical aid to accident victims or ill persons
- **Directive interest in persuading** to inform and educate the public on fire prevention; may supervise and co-ordinate the work of other firefighters



## Physical Activities

### Vision

- 4 Total visual field

### Colour Discrimination

- 0 Not relevant

### Hearing

- 2 Verbal interaction

### Body Position

- 4 Other body positions

### Limb Co-ordination

- 2 Multiple limb co-ordination

### Strength

- 4 Heavy

## Environmental Conditions

### Location

- L1 Regulated inside climate
- L2 Unregulated inside climate
- L3 Outside

### Hazards

- H1 Dangerous chemical substances
- H3 Equipment, machinery, tools
- H4 Electricity
- H6 Flying particles, falling objects
- H7 Fire, steam, hot surfaces
- H8 Dangerous locations

### Discomforts

- D1 Noise
- D3 Odours
- D4 Non-toxic dusts
- D5 Wetness

## Employment Requirements

### Education/Training

4+, 5+, 6+

- Completion of secondary school is usually required.
- Completion of a college program in fire protection technology or a related field may be required.
- Firefighting and emergency medical care training courses are provided and vary in length depending on the requirements of different fire departments or services.
- An apprenticeship training program for firefighters and voluntary trade certification is available in New Brunswick.
- Experience as a volunteer firefighter may be an advantage.
- Physical agility, strength, fitness and vision requirements must be met.
- Several years of experience are required for senior firefighters such as lieutenants and captains.

## Workplaces/Employers

Internal firefighting services of large industrial establishments

Municipal, provincial and federal governments

## Occupational Options

Progression to senior positions, such as fire chief, is possible with additional training and several years of experience.

## Similar Occupations Classified Elsewhere

*Fire Chiefs and Senior Firefighting Officers (0642)*

Forest firefighters (in 8422 *Silviculture and Forestry Workers*)

Paramedics (in 3234 *Ambulance Attendants and Other Paramedical Occupations*)

# 6271.1 Hairstylists

Hairstylists cut and style hair and perform related services.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	3	4	4	3	4	3	2	3

### INTERESTS

IOS

### DATA PEOPLE THINGS (DPT)

374

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	1	2	2	1	1

### ENVIRONMENTAL CONDITIONS (EC)

L1, H3, D3, D5

### EDUCATION/TRAINING

2+, 5, 6, R

## Examples of Job Titles

hair colour technician  
hairdresser  
hairdresser apprentice  
hairstylist  
hairstylist apprentice  
wig stylist

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning** and **verbal ability** to suggest hair styles compatible with clients' physical features and to determine styles from clients' instructions and preferences
- **Form perception** to observe detail in facial features and analyze hair and scalp conditions
- **Motor co-ordination** and **finger dexterity** to cut, trim, taper, curl, wave, perm and style hair
- **Manual dexterity** to apply bleach, tint, dye and rinses to colour, frost and streak hair; may shampoo and rinse hair
- **Innovative interest** in **compiling** information to provide basic treatment and advice on beauty care treatments for scalp and hair
- **Objective interest** in **manipulating** combs, scissors, clippers, brushes and other devices to cut and style hair
- **Social interest** in **serving** clients by cutting and styling hair and performing related services; may train and supervise other hairstylists, hairstylist apprentices and helpers

## Physical Activities

### Vision

- 2 Near vision

### Colour Discrimination

- 1 Relevant

### Hearing

- 2 Verbal interaction

### Body Position

- 2 Standing and/or walking

### Limb Co-ordination

- 1 Upper limb co-ordination

### Strength

- 1 Limited

## Environmental Conditions

### Location

- L1 Regulated inside climate

### Hazards

- H3 Equipment, machinery, tools

### Discomforts

- D3 Odours
- D5 Wetness

## Employment Requirements

### Education/Training

2+, 5, 6, R

- Some secondary school education is required.
- Completion of a two- or three-year hairstyling apprenticeship program or completion of a college or other program in hairstyling combined with on-the-job training is usually required.
- Several years of experience may substitute for formal education or training.
- Employers may require applicants to provide a hairstyling demonstration before being hired.
- There are various provincial/territorial certification and licensing requirements for hairstylists, ranging from trade certification to licensing by a provincial/territorial association. Interprovincial trade certification (Red Seal) is also available for qualified hairstylists.

## Workplaces/Employers

Barber shops

Hairstyling or hairdressing salons

Health care establishments

Self-employment

Theatre, film and television establishments

Vocational schools

## Occupational Options

Red Seal trade certification allows for interprovincial mobility.

## Similar Occupations Classified Elsewhere

*Estheticians, Electrologists and Related Occupations* (6482)

Hairdressing teachers (in 4131 *College and Other Vocational Instructions*)

# 6271.2 Barbers

Barbers cut and style hair and perform related services.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	3	4	4	3	4	3	3	3

### INTERESTS

OMS

### DATA PEOPLE THINGS (DPT)

374

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	1	2	2	1	1

### ENVIRONMENTAL CONDITIONS (EC)

L1, H3, D3\*, D5\*

### EDUCATION/TRAINING

2, 5, R

## Examples of Job Titles

barber  
barber apprentice

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning and verbal ability** to cut and trim hair according to clients' instructions and preferences
- **Form perception** to observe detail in facial features and analyze hair and scalp conditions
- **Motor co-ordination and finger dexterity** to cut and trim hair, and shave and trim beards and moustaches
- **Manual dexterity** to move hands and wrists easily and skillfully; may shampoo hair, provide other hair treatments such as waving, straightening and tinting, and provide scalp conditioning massages
- **Objective interest in manipulating** combs, scissors, clippers (hand or electric), brushes, razors and other devices to cut and style hair, and shave and trim beards and moustaches
- **Methodical interest in compiling** information to provide advice on services related to the care of hair, face and scalp; may advise on hair problems and suggest grooming aids and appropriate hair styles
- **Social interest in serving** clients by providing services related to the care of hair, face and scalp; may train and supervise other barbers and barber apprentices

---

**Physical Activities****Vision**

- 2 Near vision

**Colour Discrimination**

- 1 Relevant

**Hearing**

- 2 Verbal interaction

**Body Position**

- 2 Standing and/or walking

**Limb Co-ordination**

- 1 Upper limb co-ordination

**Strength**

- 1 Limited

---

**Environmental Conditions****Location**

- L1 Regulated inside climate

**Hazards**

- H3 Equipment, machinery, tools

**Discomforts**

- D3\* Odours
- D5\* Wetness

---

**Employment Requirements**

Education/Training  
2, 5, R

- Some secondary school education is required.
- Completion of a two-year apprenticeship or other barber program is usually required.
- On-the-job training may substitute for formal education.
- There are various provincial/territorial certification and licensing requirements for barbers, ranging from trade certification to licensing by a provincial/territorial association.
- Barbers can also obtain interprovincial trade certification (Red Seal) as qualified hairstylists.

---

**Workplaces/Employers**

Barber shops  
Hairstyling or hairdressing salons  
Health care establishments  
Theatre, film and television establishments  
Vocational schools

---

**Occupational Options**

Red Seal trade certification allows for interprovincial mobility.

---

**Similar Occupations Classified Elsewhere**

*Estheticians, Electrologists and Related Occupations (6482)*

Hairdressing teachers (in 4131 *College and Other Vocational Instructions*)

---

**Remarks**

- \*Environmental Conditions
- For this occupation, Discomforts D3 (Odours) and D5 (Wetness) may also apply.



# 6272.1 Funeral Directors

Funeral directors co-ordinate and arrange all aspects of funeral services.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	2	3	4	4	3	4	4	4

### INTERESTS

DSM

### DATA PEOPLE THINGS (DPT)

128

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	0	2	1	0	1

### ENVIRONMENTAL CONDITIONS (EC)

L1

### EDUCATION/TRAINING

6+, R

## Examples of Job Titles

funeral director

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to oversee the preparation of human remains, plan and schedule funeral services, co-ordinate burials and cremations and complete legal documents
- **Verbal ability** to issue death notices to newspapers and discuss and negotiate prearranged funerals with clients
- **Numerical ability** and **clerical perception** to prepare accounts, keep financial records and order merchandise
- **Directive interest** in **co-ordinating** information to manage funeral home operations; and in hiring and supervising embalmers, funeral home attendants and other staff
- **Social interest** in **consulting** with families regarding the nature of the funeral service, disposition of the remains and funeral costs, and to inform survivors of benefits for which they may be eligible
- **Methodical interest** in maintaining financial records; may perform the same duties as embalmers

---

**Physical Activities**


---

**Vision**

2 Near vision

**Colour Discrimination**

0 Not relevant

**Hearing**

2 Verbal interaction

**Body Position**

1 Sitting

**Limb Co-ordination**

0 Not relevant

**Strength**

1 Limited

---

**Environmental Conditions**


---

**Location**

L1 Regulated inside climate

---

**Employment Requirements**


---

Education/Training  
6+, R

- Completion of a one- to two-year college program and a twelve- to twenty-month practical apprenticeship program during or following the educational program is usually required for funeral directors.
- Funeral directors require licensing in most provinces and territories.
- Funeral directors may be required to be licensed embalmers depending on provincial requirements.

---

**Workplaces/Employers**


---

Funeral homes

---

**Similar Occupations Classified Elsewhere**


---

Bereavement counsellor (in 4153 *Family, Marriage and Other Related Counsellors*)Funeral home attendants (in 6683 *Other Elemental Service Occupations*)Funeral service general managers (in 0015 *Senior Managers – Trade, Broadcasting and Other Services, n.e.c.*)

# 6272.2 Embalmers

Embalmers prepare the remains of deceased persons for public visitation and burial.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	4	4	3	3	4	3	3	3

### INTERESTS

MOd

### DATA PEOPLE THINGS (DPT)

331

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	1	2	2	1	2

### ENVIRONMENTAL CONDITIONS (EC)

L1, H2, D3

### EDUCATION/TRAINING

6+, R

## Examples of Job Titles

apprentice embalmer

embalmer

mortician

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to understand, acquire and apply techniques of embalming
- **Spatial and form perception** to perform cosmetic and restorative work on human remains
- **Motor co-ordination and finger and manual dexterity** to prepare bodies for interment
- **Methodical interest** in **compiling** information to prepare the remains of deceased persons for public visitation
- **Objective interest** in **precision working** to preserve, sanitize and prepare remains for funeral services
- **Directive interest** in **supervising** funeral home attendants and other funeral home staff

## Physical Activities

### Vision

- 2 Near vision

### Colour Discrimination

- 1 Relevant

### Hearing

- 2 Verbal interaction

### Body Position

- 2 Standing and/or walking

### Limb Co-ordination

- 1 Upper limb co-ordination

### Strength

- 2 Light

## Environmental Conditions

### Location

- L1 Regulated inside climate

### Hazards

- H2 Biological agents

### Discomforts

- D3 Odours

## Employment Requirements

### Education/Training

6+, R

- Completion of a two- to three-year college program and a twelve- to twenty-month practical apprenticeship program during or following the educational program  
or  
completion of a three-year college program is required for embalmers.
- Embalmers require licensure in all provinces.

## Workplaces/Employers

Funeral homes

## Similar Occupations Classified Elsewhere

Funeral home attendants (in 6683 *Other Elemental Service Occupations*)

Funeral service general managers (in 0015 *Senior Managers – Trade, Broadcasting and Other Services, n.e.c.*)

# 6411 Sales Representatives – Wholesale Trade (Non-Technical)

Sales representatives, wholesale trade (non-technical) sell non-technical goods and services to retail, wholesale, commercial, industrial, professional and other clients domestically and internationally. Auctioneers are included in this group. Sales representatives, wholesale trade, who are supervisors are also included in this group.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	3	3	4	4	3	4	4	4

### INTERESTS

SMd

### DATA PEOPLE THINGS (DPT)

358

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	0	2	3	0	2

### ENVIRONMENTAL CONDITIONS (EC)

L1

### EDUCATION/TRAINING

4, 5, 6, 7, +, R

## Examples of Job Titles

food products sales representative  
freight sales agent  
graphic design sales representative  
hotel accommodations sales executive  
liquor sales representative  
magazine sales representative  
oil distributor  
periodicals sales representative  
security services sales consultant  
supervisor, wholesale trade representatives  
transfer company agent

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to review and adapt to information regarding product innovations, competitors and market conditions
- **Verbal ability** to prepare sales contracts and consult with clients after sales or signed contracts to resolve problems and provide ongoing support
- **Numerical ability and clerical perception** to estimate and quote prices, credit and contract terms, warranties and delivery dates; may conduct sales transactions through Internet-based electronic commerce
- **Social interest in persuading** to promote sales to existing clients; in providing clients with presentations on the benefits and uses of goods and services; and in representing companies that export and import products or services to and from foreign countries
- **Methodical interest in compiling** information to identify and solicit potential clients
- **Directive interest** in overseeing the preparation of sales and other contracts; may supervise the activities of other sales representatives



---

**Physical Activities**


---

**Vision**

2 Near vision

**Colour Discrimination**

0 Not relevant

**Hearing**

2 Verbal interaction

**Body Position**

3 Sitting, standing, walking

**Limb Co-ordination**

0 Not relevant

**Strength**

2 Light

---

**Environmental Conditions**


---

**Location**

L1 Regulated inside climate

---

**Employment Requirements**


---

**Education/Training**

4, 5, 6, 7, +, R

- Completion of secondary school is required.
- A university degree or completion of a college or other program may be required.
- Experience in sales or in an occupation related to the product or service is usually required.
- Fluency in a foreign language and/or foreign country work or travel experience may be required for sales representatives seeking employment with companies that import or export goods or services.
- Supervisors and senior sales representatives require experience.
- Voluntary certification is available from the Canadian Professional Sales Association.

---

**Workplaces/Employers**


---

Business services firms

Clothing manufacturers

Food, beverage and tobacco producers

Hotels

Motor vehicles and parts manufacturers

Petroleum companies

Transportation companies

---

**Occupational Options**


---

Progression to sales management positions is possible with additional training or experience.

---

**Similar Occupations Classified Elsewhere**


---

*Retail Salespersons and Sales Clerks (6421)*

Royalties manager (in 0512 *Managers – Publishing, Motion Pictures, Broadcasting and Performing Arts*)

*Sales, Marketing and Advertising Managers (0611)*

*Technical Sales Specialists – Wholesale Trade (6221)*

# 6421 Retail Salespersons and Sales Clerks

Retail salespersons and sales clerks sell, rent or lease a range of technical and non-technical goods and services directly to consumers.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	3	3	4	4	3	4	4	4

### INTERESTS

MSd

### DATA PEOPLE THINGS (DPT)

457

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	1	2	2	1	2

### ENVIRONMENTAL CONDITIONS (EC)

L1

### EDUCATION/TRAINING

2, 3, 4, 5, 6, 7, +

## Examples of Job Titles

audio equipment salesperson  
automobile salesperson  
car rental agent  
clothing salesperson  
computer salesperson – retail  
counter clerk – retail  
department store clerk  
furniture salesperson  
hardware store clerk  
jewellery salesperson  
retail sales associate  
retail sales clerk  
retail salesperson

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to greet customers and discuss the type, quality and quantity of merchandise or services sought for purchase, rental and leasing
- **Verbal ability** to advise customers on the use and care of merchandise, and to provide advice concerning specialized products and services
- **Numerical ability** to estimate and quote prices, credit terms, trade-in allowances, warranties and delivery dates
- **Clerical perception** to prepare sales, rental and leasing contracts and accept cash, cheques, credit cards and automatic debit payments; may conduct sales transactions through Internet-based electronic commerce
- **Methodical interest in computing** to maintain sales records for inventory control; and in operating computerized inventory record keeping and re-ordering systems
- **Social interest in persuading** to sell and rent merchandise to customers
- **Directive interest in handling** to prepare merchandise for purchase, rental and leasing, and to assist in the display of merchandise

---

**Physical Activities**


---

**Vision**

- 2 Near vision

**Colour Discrimination**

- 1 Relevant

**Hearing**

- 2 Verbal interaction

**Body Position**

- 2 Standing and/or walking

**Limb Co-ordination**

- 1 Upper limb co-ordination

**Strength**

- 2 Light

---

**Environmental Conditions**


---

**Location**

- L1 Regulated inside climate

---

**Employment Requirements**


---

**Education/Training**

2, 3, 4, 5, 6, 7, +

- Completion of secondary school may be required.
- A university degree or college diploma may be required by some employers.
- Specific subject matter courses or training may be required.
- Demonstrated sales ability and product knowledge are usually required for retail sales persons who sell complex or valuable merchandise, such as automobiles, antiques or computers.

---

**Workplaces/Employers**


---

Stores and other retail businesses

Wholesale businesses that sell on a retail basis

---

**Occupational Options**


---

Progression to retail supervisory positions is possible with additional training or experience.

---

**Similar Occupations Classified Elsewhere**


---

*Cashiers* (6611)

Retail stock clerks (in 6622 *Grocery Clerks and Store Shelf Stockers*)

Sales clerk supervisors (in 6211 *Retail Trade Supervisors*)

---

**Remarks**


---

Technical or sales training programs may be provided by employers.

Retail salespersons may specialize and act as consultants in interior decorating, home entertainment systems, computers and other products and services.

# 6431 Travel Counsellors

Travel counsellors advise clients on travel options and tour packages, make bookings and reservations, prepare tickets and receive payments.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	3	3	4	4	3	4	3	4

### INTERESTS

SMI

### DATA PEOPLE THINGS (DPT)

354

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	0	2	1	1	1

### ENVIRONMENTAL CONDITIONS (EC)

L1

### EDUCATION/TRAINING

5, 6, R

## Examples of Job Titles

travel agent  
travel consultant  
travel counsellor

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to plan and organize vacation travel for individuals and groups
- **Verbal ability** to provide travel tips regarding tourist attractions, foreign currencies, customs, languages and travel safety
- **Numerical ability** to calculate travel costs and receive payments
- **Clerical perception** to perceive detail in verbal and tabular materials when making transportation and accommodation reservations
- **Social interest** in **persuading** clients by promoting particular destinations, tour packages and other travel services, and by selling single-fare tickets and package tours
- **Methodical interest** in **operating** computerized reservation and ticketing systems to make bookings and reservations; and in providing travel details to clients regarding destinations, transportation and accommodation options and costs, and recommending suitable products
- **Innovative interest** in **compiling** information to investigate new travel destinations, hotels and other facilities and attractions

---

**Physical Activities**


---

**Vision**

2 Near vision

**Colour Discrimination**

0 Not relevant

**Hearing**

2 Verbal interaction

**Body Position**

1 Sitting

**Limb Co-ordination**

1 Upper limb co-ordination

**Strength**

1 Limited

---

**Environmental Conditions**


---

**Location**

L1 Regulated inside climate

---

**Employment Requirements**


---

**Education/Training**

5, 6, R

- Completion of secondary school is usually required.
- A college diploma or vocational training in travel or tourism is usually required.
- Certification with the Alliance of Canadian Travel Associations (ACTA) / Canadian Institute of Travel Counsellors (CITC) Canadian Educational Standards System (ACCESS) may be required. This certification is granted after three years of work experience in the industry and the completion of mandatory courses and examinations.

---

**Workplaces/Employers**


---

Hotel chains

Tourism firms

Transportation firms

Travel agencies

---

**Occupational Options**


---

Progression to managerial positions is possible with experience.

---

**Similar Occupations Classified Elsewhere**


---

Airline ticket agents (in 6433 *Airline Sales and Service Agents*)

Convention co-ordinators (in 1226 *Conference and Event Planners*)

Travel agency managers (in 0621 *Retail Trade Managers*)



# 6432.1 Flight Attendants

Flight attendants ensure the safety and comfort of passengers and crew members aboard aircraft.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	3	4	4	4	3	4	4	4

### INTERESTS

MSo

### DATA PEOPLE THINGS (DPT)

677

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
3	0	2	3	1	2

### ENVIRONMENTAL CONDITIONS (EC)

L1, L4, H8, D1, D2

### EDUCATION/TRAINING

5

## Examples of Job Titles

flight attendant

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to ensure the safety and comfort of passengers
- **Verbal ability** to greet passengers, explain and demonstrate safety features and answer passengers' inquiries
- **Clerical perception** to perceive detail when verifying boarding passes
- **Methodical interest in comparing** information to check the general condition of the aircraft cabin and to ensure that all necessary supplies are on board
- **Social interest in assisting** passengers and attending to their safety during take-offs, landings and emergencies
- **Objective interest in handling** equipment to serve food and beverages and make flight announcements

## Physical Activities

### Vision

- 3 Near and far vision

### Colour Discrimination

- 0 Not relevant

### Hearing

- 2 Verbal interaction

### Body Position

- 3 Sitting, standing, walking

### Limb Co-ordination

- 1 Upper limb co-ordination

### Strength

- 2 Light

## Environmental Conditions

### Location

- L1 Regulated inside climate
- L4 In a vehicle or cab

### Hazards

- H8 Dangerous locations

### Discomforts

- D1 Noise
- D2 Vibration

## Employment Requirements

### Education/Training

5

- Flight attendants require the completion of secondary school and a Transport Canada-approved training program.
- Flight attendants usually require experience working with the public.

## Workplaces/Employers

Airline companies

## Similar Occupations Classified Elsewhere

Food and beverage servers on trains (in 6453 *Food and Beverage Servers*)

Ship and rail service attendants (in 6672 *Other Attendants in Accommodation and Travel*)

## Remarks

It is an advantage for flight attendants to speak more than one language.

# 6432.2 Flight Purser, Customer Service Directors and Passenger Service Directors

Flight pursers and passenger service directors ensure the safety and comfort of passengers and crew members aboard aircraft.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	3	4	4	4	3	4	4	4

### INTERESTS

MDs

### DATA PEOPLE THINGS (DPT)

337

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
3	0	2	3	1	2

### ENVIRONMENTAL CONDITIONS (EC)

L1, L4, H8, D1, D2

### EDUCATION/TRAINING

5+

## Examples of Job Titles

customer service director  
flight service director  
passenger service director  
purser, airline

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to ensure that services are provided for the safety and comfort of passengers and crew
- **Verbal ability** to greet passengers, provide flight information, describe customs and immigration procedures, and answer inquiries regarding connections and schedules
- **Clerical perception** to read schedules and timetables correctly, and to perceive detail when verifying boarding passes
- **Methodical interest** in compiling information to prepare records related to en route services and to complete reports
- **Directive interest** in supervising flight attendants and in co-ordinating their activities
- **Social interest** in handling equipment to provide services to passengers

### Physical Activities

**Vision**  
3 Near and far vision

**Colour Discrimination**  
0 Not relevant

**Hearing**  
2 Verbal interaction

**Body Position**  
3 Sitting, standing, walking

**Limb Co-ordination**  
1 Upper limb co-ordination

**Strength**  
2 Light

### Environmental Conditions

**Location**  
L1 Regulated inside climate  
L4 In a vehicle or cab

**Hazards**  
H8 Dangerous locations

**Discomforts**  
D1 Noise  
D2 Vibration

### Employment Requirements

**Education/Training**  
5+

- Flight pursers/customer service directors require the completion of secondary school and a Transport Canada-approved training program.
- Flight pursers/customer service directors require experience as a flight attendant.

### Workplaces/Employers

Airline companies

### Occupational Options

There is little mobility between airline pursers and ship pursers.

### Similar Occupations Classified Elsewhere

Food and beverage servers on trains (in 6453 *Food and Beverage Servers*)

Ship and rail service attendants (in 6672 *Other Attendants in Accommodation and Travel*)

### Remarks

It is an advantage for pursers to speak more than one language.

# 6432.3 Ship Purser

Ship pursers attend to the safety and comfort of passengers aboard ships.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	3	4	4	4	3	4	4	4

### INTERESTS

MDs

### DATA PEOPLE THINGS (DPT)

337

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
3	0	2	3	1	2

### ENVIRONMENTAL CONDITIONS (EC)

L1, L3, L4, H8, D1

### EDUCATION/TRAINING

2

## Examples of Job Titles

ship purser

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to conduct ship's business and attend to the safety and comfort of passengers
- **Verbal ability** and **clerical perception** to assist passengers in preparing customs declarations
- **Methodical interest** in **compiling** information for signing on crew and in maintaining payroll records
- **Directive interest** in **supervising** the activities of a ship's attendants; and in overseeing the storage of baggage
- **Social interest** in **handling** equipment to provide services to passengers; and in arranging activities for passengers



---

**Physical Activities**


---

**Vision**

- 3 Near and far vision

**Colour Discrimination**

- 0 Not relevant

**Hearing**

- 2 Verbal interaction

**Body Position**

- 3 Sitting, standing, walking

**Limb Co-ordination**

- 1 Upper limb co-ordination

**Strength**

- 2 Light

---

**Environmental Conditions**


---

**Location**

- L1 Regulated inside climate
- L3 Outside
- L4 In a vehicle or cab

**Hazards**

- H8 Dangerous locations

**Discomforts**

- D1 Noise

---

**Employment Requirements**


---

**Education/Training**

- 2

- Ship pursers may require experience as a ship attendant.
- Ship pursers usually require experience working with the public.

---

**Workplaces/Employers**


---

Tour boat or cruise ship companies

---

**Occupational Options**


---

There is little mobility between airline pursers and ship pursers.

---

**Similar Occupations Classified Elsewhere**


---

Food and beverage servers on trains (in 6453 *Food and Beverage Servers*)

Ship and rail service attendants (in 6672 *Other Attendants in Accommodation and Travel*)

---

**Remarks**


---

It is an advantage for pursers to speak more than one language.

# 6433.1 Airline Passenger and Ticket Agents

Airline passenger and ticket agents issue tickets, provide fare quotations, make reservations, conduct passenger check-in, trace missing baggage, arrange for cargo shipments and provide related customer services to assist airline passengers.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	3	3	4	4	2	4	4	4

### INTERESTS

MSO

### DATA PEOPLE THINGS (DPT)

564

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	0	2	1	1	1

### ENVIRONMENTAL CONDITIONS (EC)

L1

### EDUCATION/TRAINING

4

## Examples of Job Titles

counter services agent, airline  
customer service agent, airline  
customer service representative  
passenger agent, airline  
passenger service representative  
ticket agent, airline

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to make reservations and prepare and issue tickets
- **Verbal ability** to provide information on fares, flight schedules and routes; to inform passengers of changes in travelling arrangements; to cancel and confirm reservations; and to direct passengers to designated areas for boarding
- **Numerical ability** to compute cost of tickets
- **Clerical perception** to perceive detail in verbal and tabular materials when using timetables, manuals, reference guides and tariff books; to assign seats; and to avoid errors in the preparation of tickets and boarding passes
- **Methodical interest in copying** information to keep inventory of available passenger space
- **Social interest in speaking** with passengers while attending boarding gates; in assisting pre-boarding passengers; and in helping customers plan travel time and routes
- **Objective interest in operating** computerized systems to make and confirm reservations; to issue tickets, boarding passes and baggage receipts; and to check baggage

---

**Physical Activities**


---

**Vision**

2 Near vision

**Colour Discrimination**

0 Not relevant

**Hearing**

2 Verbal interaction

**Body Position**

1 Sitting

**Limb Co-ordination**

1 Upper limb co-ordination

**Strength**

1 Limited

---

**Environmental Conditions**


---

**Location**

L1 Regulated inside climate

---

**Employment Requirements**


---

**Education/Training**

4

- Completion of secondary school is usually required.
- Several weeks of on-the-job and classroom training are provided.

---

**Workplaces/Employers**


---

Airline companies

---

**Occupational Options**


---

Depending on the size of the airline or airport, the duties of workers in the 6433 group may overlap.

Progression to supervisory positions is possible with experience.

---

**Similar Occupations Classified Elsewhere**


---

Airline cargo and baggage handlers (in 7437 *Air Transport Ramp Attendants*)

Supervisors of airline sales and service agents (in 6216 *Other Service Supervisors*)

*Ticket Agents, Cargo Service Representatives and Related Clerks (Except Airline)* (6434)

*Travel Counsellors* (6431)

# 6433.2 Airline Baggage Agents

Airline baggage agents trace missing baggage and provide related customer services to assist airline passengers.

</

Descriptor Profile		
<b>Main Characteristics</b>		
Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:		
▪ <b>General learning ability</b> to trace lost, delayed and misdirected baggage	▪ <b>Numerical ability</b> to authorize limited expenditures to provide for emergency assistance to passengers	▪ <b>Social interest</b> in <b>speaking</b> with customers to obtain information for tracing lost baggage and to communicate with agents at other locations in the airline system
▪ <b>Verbal ability</b> to receive complaints from passengers regarding lost, mishandled, delayed and damaged baggage	▪ <b>Clerical perception</b> to prepare lost and found reports, damage reports and forwarding instructions, and to complete tracing forms, customs clearances and other documents	▪ <b>Objective interest</b> in <b>handling</b> equipment to sort and dispatch outbound baggage to departing aircraft, and to dispense inbound baggage being delivered to passengers on arrival at their destinations
	▪ <b>Methodical interest</b> in <b>copying</b> information to recover lost baggage, to take corrective measures according to company policies and to arrange for delivery of relocated items to passengers	

---

**Physical Activities**


---

**Vision**

2 Near vision

**Colour Discrimination**

0 Not relevant

**Hearing**

2 Verbal interaction

**Body Position**

1 Sitting

**Limb Co-ordination**

1 Upper limb co-ordination

**Strength**

1 Limited

---

**Environmental Conditions**


---

**Location**

L1 Regulated inside climate

---

**Employment Requirements**


---

**Education/Training**

4

- Completion of secondary school is usually required.
- Several weeks of on-the-job and classroom training are provided.

---

**Workplaces/Employers**


---

Airline companies

---

**Occupational Options**


---

Depending on the size of the airline or airport, the duties of workers in the 6433 group may overlap.

Progression to supervisory positions is possible with experience.

---

**Similar Occupations Classified Elsewhere**


---

Airline cargo and baggage handlers (in 7437 *Air Transport Ramp Attendants*)

Supervisors of airline sales and service agents (in 6216 *Other Service Supervisors*)

*Ticket Agents, Cargo Service Representatives and Related Clerks (Except Airline)* (6434)

*Travel Counsellors* (6431)



# 6433.3 Airline Cargo Agents

Airline cargo agents arrange for cargo shipments and provide related customer services.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	3	3	4	4	2	4	4	4

### INTERESTS

MOs

### DATA PEOPLE THINGS (DPT)

467

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	0	1	3	1	3

### ENVIRONMENTAL CONDITIONS (EC)

L1

### EDUCATION/TRAINING

4

## Examples of Job Titles

airline cargo agent

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to route inbound and outbound air freight shipments to their destinations, to determine and arrange special handling requirements, and to trace lost and misdirected cargo
- **Verbal ability** to take telephone orders from customers and provide information on rate, routing, acceptance requirements, import and export regulations, and documentation requirements
- **Numerical ability** to compute freight costs and calculate charges for services and insurance
- **Clerical perception** to determine shipping costs using rate books and to prepare customs documents and cargo manifests
- **Methodical interest in computing** information to process bills of lading, and in preparing and maintaining cargo, shipping and other records
- **Objective interest in handling** to weigh and assemble outgoing cargo
- **Social interest in speaking** with shippers and consignees to notify them of arrival of shipments and to arrange for deliveries

## Physical Activities

### Vision

2 Near vision

### Colour Discrimination

0 Not relevant

### Hearing

1 Limited

### Body Position

3 Sitting, standing, walking

### Limb Co-ordination

1 Upper limb co-ordination

### Strength

3 Medium

## Environmental Conditions

### Location

L1 Regulated inside climate

## Employment Requirements

### Education/Training

4

- Completion of secondary school is usually required.
- Several weeks of on-the-job and classroom training are provided.

## Workplaces/Employers

Airline companies

## Occupational Options

Depending on the size of the airline or airport, the duties of workers in the 6433 group may overlap.

Progression to supervisory positions is possible with experience.

## Similar Occupations Classified Elsewhere

Airline cargo and baggage handlers (in 7437 *Air Transport Ramp Attendants*)

Supervisors of airline sales and service agents (in 6216 *Other Service Supervisors*)

*Ticket Agents, Cargo Service Representatives and Related Clerks (Except Airline)* (6434)

*Travel Counsellors* (6431)

## 6433.4 Airline Reservation Agents

Airline reservation agents issue tickets, make reservations and provide related customer services.

### Profile Summary

#### APTITUDES

G	V	N	S	P	Q	K	F	M
3	3	3	4	4	2	4	4	4

#### INTERESTS

MSO

#### DATA PEOPLE THINGS (DPT)

564

#### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	0	2	1	1	1

#### ENVIRONMENTAL CONDITIONS (EC)

L1

#### EDUCATION/TRAINING

4

### Examples of Job Titles

reservation agent, airline

### Descriptor Profile

#### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to reserve seats for tour companies, travel agencies, wholesalers and the general public
- **Verbal ability** to answer inquiries concerning airline passengers, routes, fares, accommodations and passport requirements
- **Numerical ability** to determine travel and accommodation costs, prepare claim forms for refunds and adjustments, complete reports of transactions, and process mileage points
- **Clerical perception** to review routine invoices of transportation charges and to prepare travel booklets for passengers that contain tickets, copies of itineraries, written lodging confirmations, pertinent credit cards and travel suggestions
- **Methodical interest in copying** information to keep a current directory of hotels, motels and timetables
- **Social interest in speaking** with customers to provide services and assistance to passengers
- **Objective interest in operating** computerized systems to obtain confirmation of travel and lodging space, to issue and validate airline tickets, and to prepare itineraries, claim forms and reports

## Physical Activities

<b>Vision</b>	
2	Near vision
<b>Colour Discrimination</b>	
0	Not relevant
<b>Hearing</b>	
2	Verbal interaction

<b>Body Position</b>	
1	Sitting

<b>Limb Co-ordination</b>	
1	Upper limb co-ordination

<b>Strength</b>	
1	Limited

## Environmental Conditions

<b>Location</b>	
L1	Regulated inside climate

## Employment Requirements

<b>Education/Training</b>	
4	

- Completion of secondary school is usually required.
- Several weeks of on-the-job and classroom training are provided.

## Workplaces/Employers

Airline companies

## Occupational Options

Depending on the size of the airline or airport, the duties of workers in the 6433 group may overlap.

Progression to supervisory positions is possible with experience.

## Similar Occupations Classified Elsewhere

Airline cargo and baggage handlers (in 7437 *Air Transport Ramp Attendants*)

Supervisors of airline sales and service agents (in 6216 *Other Service Supervisors*)

*Ticket Agents, Cargo Service Representatives and Related Clerks (Except Airline)* (6434)

*Travel Counsellors* (6431)

# 6433.5 Airline Station Agents

Airline station agents issue tickets, make reservations, trace missing baggage, arrange for cargo shipments and provide related customer services to assist airline passengers.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	3	3	4	4	2	4	4	4

### INTERESTS

MSO

### DATA PEOPLE THINGS (DPT)

564

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	0	2	1	1	1

### ENVIRONMENTAL CONDITIONS (EC)

L1

### EDUCATION/TRAINING

4

## Examples of Job Titles

station agent, airline

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to perform duties pertaining to flight servicing, ramp operations, cargo handling and load control, and to perform the duties of ticket, baggage and cargo agents
- **Verbal ability** to receive, transmit and log operational messages to operations control and downline stations
- **Numerical ability** to establish allowable weights and distribution of load in aircraft and ensure that limits are not exceeded
- **Clerical perception** to complete pre-flight documents regarding passenger and load catering counts, special requests and other flight information
- **Methodical interest in copying** data to record cargo information on manifest forms and prepare flight cargo plans
- **Social interest in speaking** with people to receive, transmit and log messages to and from aircraft and between stations concerning flight movements, arrival and departure times, number of passengers, reservations and other airline operations information
- **Objective interest in operating** computer systems and communications equipment to gather load-control information and transmit cargo data to flight destinations

## Physical Activities

<b>Vision</b>	
2	Near vision
<b>Colour Discrimination</b>	
0	Not relevant
<b>Hearing</b>	
2	Verbal interaction

<b>Body Position</b>	
1	Sitting
<b>Limb Co-ordination</b>	
1	Upper limb co-ordination
<b>Strength</b>	
1	Limited

## Environmental Conditions

<b>Location</b>	
L1	Regulated inside climate

## Employment Requirements

Education/Training  
4

- Completion of secondary school is usually required.
- Several weeks of on-the-job and classroom training are provided.
- Airline station agents usually require experience as a ticket, baggage or cargo agent.

## Workplaces/Employers

Airline companies

## Occupational Options

Depending on the size of the airline or airport, the duties of workers in the 6433 group may overlap.

Progression to supervisory positions is possible with experience.

## Similar Occupations Classified Elsewhere

Airline cargo and baggage handlers (in 7437 *Air Transport Ramp Attendants*)

Supervisors of airline sales and service agents (in 6216 *Other Service Supervisors*)

*Ticket Agents, Cargo Service Representatives and Related Clerks (Except Airline)* (6434)

*Travel Counsellors* (6431)



# 6433.6 Airline Load Planners

Airline load planners plan the positioning of cargo on aircraft.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	3	3	4	4	2	4	4	4

### INTERESTS

MOD

### DATA PEOPLE THINGS (DPT)

484

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	0	1	1	1	1

### ENVIRONMENTAL CONDITIONS (EC)

L1

### EDUCATION/TRAINING

4, R

## Examples of Job Titles

load planner, airline

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning** and **verbal ability** to plan cargo loads so cargo is distributed and balanced
- **Numerical ability** to calculate load weights for compartments of aircraft
- **Clerical perception** to read charts and data when determining load-control information
- **Methodical interest** in **computing** load weights so the allowable gross weight of aircraft is not exceeded
- **Objective interest** in **operating** computer systems to determine load weights
- **Directive interest** in planning load for safe distribution and balance

## Physical Activities

### Vision

2 Near vision

### Colour Discrimination

0 Not relevant

### Hearing

1 Limited

### Body Position

1 Sitting

### Limb Co-ordination

1 Upper limb co-ordination

### Strength

1 Limited

## Environmental Conditions

### Location

L1 Regulated inside climate

## Employment Requirements

### Education/Training

4, R

- Completion of secondary school is usually required.
- Several weeks of on-the-job and classroom training are provided.
- Load planners require a restricted radio operator's licence and usually require airline operations experience.

## Workplaces/Employers

Airline companies

## Occupational Options

Depending on the size of the airline or airport, the duties of workers in the 6433 group may overlap.

Progression to supervisory positions is possible with experience.

## Similar Occupations Classified Elsewhere

Airline cargo and baggage handlers (in 7437 *Air Transport Ramp Attendants*)

Supervisors of airline sales and service agents (in 6216 *Other Service Supervisors*)

*Ticket Agents, Cargo Service Representatives and Related Clerks (Except Airline)* (6434)

*Travel Counsellors* (6431)

# 6434.1 Ticket Agents and Related Clerks (Except Airline)

Ticket agents and related clerks (except airline) quote fares and rates, make reservations, issue tickets, check baggage and provide related customer services to assist travellers.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	3	3	4	4	3	4	4	4

### INTERESTS

MSO

### DATA PEOPLE THINGS (DPT)

564

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	0	2	1	1	1

### ENVIRONMENTAL CONDITIONS (EC)

L1

### EDUCATION/TRAINING

3

## Examples of Job Titles

bus ticket agent  
counter service agent, railway  
railway passenger agent  
reservations clerk, railway  
ticket agent (except airline)

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to make reservations and sell tickets to passengers travelling by bus, railway and ship
- **Verbal ability** to answer customer inquiries, quote fares and supply information regarding available vacancies when working for wholesale travel companies; and to inform load-control personnel of changes in passenger itinerary
- **Numerical ability** to compute cost of tickets and handle cash transactions
- **Clerical perception** to keep inventories of available passenger space
- **Methodical interest in copying** information to receive and record bookings for package tours from retail travel agencies; and in checking baggage
- **Social interest in speaking** with customers to assist them in planning travel times and routes
- **Objective interest in operating** computer systems to reserve seats for tour companies, travel agencies, wholesalers and the general public, as well as to issue tickets and baggage receipts

## Physical Activities

<b>Vision</b>	
2	Near vision
<b>Colour Discrimination</b>	
0	Not relevant
<b>Hearing</b>	
2	Verbal interaction

<b>Body Position</b>	
1	Sitting
<b>Limb Co-ordination</b>	
1	Upper limb co-ordination

<b>Strength</b>	
1	Limited

## Environmental Conditions

<b>Location</b>	
L1	Regulated inside climate

## Employment Requirements

<b>Education/Training</b>	
3	

- Completion of secondary school is usually required.
- Up to 10 weeks of training may be provided.

## Workplaces/Employers

Boat cruise operators  
 Bus and railway companies  
 Freight forwarding and shipping companies  
 Public transit companies  
 Travel wholesalers

## Occupational Options

Ticket agents and cargo service representatives may perform the same duties depending on the size and location of the operation.

Progression to supervisory positions is possible through experience.

## Similar Occupations Classified Elsewhere

*Airline Sales and Service Agents* (6433)

Baggage handlers in rail, marine and motor transportation (in 6672 *Other Attendants in Accommodation and Travel*)

Supervisors of ticket and cargo agents and related clerks in this group (in 6216 *Other Service Supervisors*)

*Travel Counsellors* (6431)

## 6434.2 Cargo Service Representatives (Except Airline)

Cargo service representatives quote fares and rates, process cargo shipments, check baggage and provide related customer services to assist travellers.

### Profile Summary

#### APTITUDES

G	V	N	S	P	Q	K	F	M
3	3	3	4	4	3	4	4	4

#### INTERESTS

MOs

#### DATA PEOPLE THINGS (DPT)

467

#### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	0	2	4	1	4

#### ENVIRONMENTAL CONDITIONS (EC)

L1

#### EDUCATION/TRAINING

3

### Examples of Job Titles

cargo customer service representative

### Descriptor Profile

#### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to route inbound and outbound cargo shipments to their destinations, and to trace lost and misdirected passenger baggage and cargo shipments
- **Verbal ability** to quote fares and rates for cargo shipments
- **Numerical ability** to determine costs for shipments using rate tables and schedules
- **Clerical perception** to prepare and maintain shipping and other documents
- **Methodical interest in computing** shipment costs including charges for services and insurance
- **Objective interest in handling** passenger baggage for checking purposes and to sort for loading by baggage handlers; may load baggage directly onto buses, railway cars and cruise ships
- **Social interest in speaking** to provide customer services and assist travellers

## Physical Activities

### Vision

- 2 Near vision

### Colour Discrimination

- 0 Not relevant

### Hearing

- 2 Verbal interaction

### Body Position

- 4 Other body positions

### Limb Co-ordination

- 1 Upper limb co-ordination

### Strength

- 4 Heavy

## Environmental Conditions

### Location

- L1 Regulated inside climate

## Employment Requirements

### Education/Training

3

- Completion of secondary school is usually required.
- Up to 10 weeks of training may be provided.

## Workplaces/Employers

Boat cruise operators

Bus and railway companies

Freight forwarding and shipping companies

Public transit companies

Travel wholesalers

## Occupational Options

Ticket agents and cargo service representatives may perform the same duties depending on the size and location of the operation.

Progression to supervisory positions is possible through experience.

## Similar Occupations Classified Elsewhere

*Airline Sales and Service Agents* (6433)

Baggage handlers in rail, marine and motor transportation (in 6672 *Other Attendants in Accommodation and Travel*)

Supervisors of ticket and cargo agents and related clerks in this group (in 6216 *Other Service Supervisors*)

*Travel Counsellors* (6431)



# 6435 Hotel Front Desk Clerks

Hotel front desk clerks make room reservations, provide information and services to guests and receive payments.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	3	3	4	4	3	4	4	4

### INTERESTS

SMo

### DATA PEOPLE THINGS (DPT)

364

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	0	2	2	1	1

### ENVIRONMENTAL CONDITIONS (EC)

L1

### EDUCATION/TRAINING

3, 5, 6, R

## Examples of Job Titles

front desk clerk  
front office clerk  
guest service agent  
guest service representative  
hotel front desk clerk  
night clerk  
reservations clerk  
room clerk

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to maintain an inventory of vacancies, reservations and room assignments, register arriving guests and assign rooms
- **Verbal ability** to answer inquiries regarding hotel services and registration by letter, telephone, fax, email and in person
- **Numerical ability and clerical perception** to prepare statements of charges for departing guests and to receive payments
- **Social interest in speaking** with people to provide information and respond to guests' complaints
- **Methodical interest in compiling** information for preparing and checking daily record sheets, guests' accounts, receipts and vouchers
- **Objective interest in operating** computerized and manual systems to collect and verify guests' accounts

---

**Physical Activities**


---

**Vision**

- 2 Near vision

**Colour Discrimination**

- 0 Not relevant

**Hearing**

- 2 Verbal interaction

**Body Position**

- 2 Standing and/or walking

**Limb Co-ordination**

- 1 Upper limb co-ordination

**Strength**

- 1 Limited
- 

**Environmental Conditions**


---

**Location**

- L1 Regulated inside climate
- 

---

**Employment Requirements**


---

**Education/Training**

- 3, 5, 6, R

- Completion of secondary school or equivalent is usually required.
  - Completion of a two-year apprenticeship program, or a college program in front desk operations or hotel management may be required.
  - Guest service trade certification is available, but voluntary, in all provinces and the Yukon from the Tourism Education Council.
- 

---

**Workplaces/Employers**


---

Hotels

Motels

Resorts

---

**Occupational Options**


---

Progression to senior positions, such as accommodations manager, is possible with additional training and experience.

---

**Similar Occupations Classified Elsewhere**


---

*Other Attendants in Accommodation and Travel (6672)*

*Travel Counsellors (6431)*

# 6441.1 Tour Guides

Tour guides escort individuals and groups on trips, sightseeing tours of cities and tours of historical sites and establishments such as famous buildings, manufacturing plants, cathedrals and theme parks.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	3	3	4	4	3	4	4	4

### INTERESTS

SMd

### DATA PEOPLE THINGS (DPT)

568

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
4	1	2	3	2	1

### ENVIRONMENTAL CONDITIONS (EC)

L1, L3, L4

### EDUCATION/TRAINING

2

## Examples of Job Titles

adventure travel site interpreter  
calèche driver  
factory tour guide  
industrial site interpreter  
sightseeing guide  
tour guide  
tourist guide

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning and verbal ability** to transport and escort individuals and groups on tours of cities, waterways and industrial and other establishments, and to provide descriptive and background information on interesting features
- **Numerical ability and clerical perception** to make arithmetical calculations; may collect admission fees
- **Social interest in speaking** to sightseers to answer questions; may sell souvenirs
- **Methodical interest in copying** information to describe points of interest, supply information and provide historical and cultural facts related to the site
- **Directive interest** in making transportation and other arrangements

---

## Physical Activities

---

### Vision

- 4 Total visual field

---

### Colour Discrimination

- 1 Relevant

---

### Hearing

- 2 Verbal interaction

---

### Body Position

- 3 Sitting, standing, walking

---

### Limb Co-ordination

- 2 Multiple limb co-ordination

---

### Strength

- 1 Limited

---

## Environmental Conditions

---

### Location

- L1 Regulated inside climate
- L3 Outside
- L4 In a vehicle or cab

---

## Employment Requirements

---

### Education/Training

2

- On-the-job training is provided.
- Knowledge of both official languages or an additional language may be required for some positions in this group.

---

## Workplaces/Employers

---

Resorts and similar establishments

Self-employment

Tour operators

---

## Similar Occupations Classified Elsewhere

---

Museum guides and historical and heritage interpreters (in 5212 *Technical Occupations Related to Museums and Art Galleries*)

*Outdoor Sport and Recreational Guides* (6442)

Tour operators (in 0621 *Retail Trade Managers*)

## 6441.2 Travel Guides

Travel guides escort individuals and groups on trips, sightseeing tours of cities and tours of historical sites and establishments such as famous buildings, manufacturing plants, cathedrals and theme parks.

### Profile Summary

#### APTITUDES

G	V	N	S	P	Q	K	F	M
3	3	3	4	4	3	4	4	4

#### INTERESTS

SMd

#### DATA PEOPLE THINGS (DPT)

568

#### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
4	1	2	3	2	1

#### ENVIRONMENTAL CONDITIONS (EC)

L1, L3, L4

#### EDUCATION/TRAINING

2

### Examples of Job Titles

adventure travel site interpreter  
factory tour guide  
industrial site interpreter  
sightseeing guide  
travel guide

### Descriptor Profile

#### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning and verbal ability** to escort individuals and groups on vacation and business trips, and to provide descriptions and background information on interesting features
- **Numerical ability and clerical perception** to make arithmetical calculations and observe times, dates, locations and other details in correspondence concerning travel arrangements
- **Social interest** in **speaking** to sightseers when visiting and describing points of interest
- **Methodical interest** in **copying** information to confirm reservations for transportation and accommodations, and to meet prepared itineraries
- **Directive interest** in planning and carrying out recreational activities; and in resolving problems with itineraries, service and accommodations

Physical Activities

Vision  
4 Total visual field

Colour Discrimination  
1 Relevant

Hearing  
2 Verbal interaction

Body Position  
3 Sitting, standing, walking

Limb Co-ordination  
2 Multiple limb co-ordination

Strength  
1 Limited

Environmental Conditions

Location  
L1 Regulated inside climate  
L3 Outside  
L4 In a vehicle or cab

Employment Requirements

Education/Training  
2

- On-the-job training is provided.
- Knowledge of both official languages or an additional language may be required for some positions in this group.

Workplaces/Employers

Resorts and similar establishments  
Self-employment  
Tour operators

Similar Occupations Classified Elsewhere

Museum guides and historical and heritage interpreters (in 5212 *Technical Occupations Related to Museums and Art Galleries*)

*Outdoor Sport and Recreational Guides* (6442)

Tour operators (in 0621 *Retail Trade Managers*)



# 6442 Outdoor Sport and Recreational Guides

Outdoor sport and recreational guides organize and conduct trips or expeditions for sports enthusiasts, adventurers, tourists and resort guests.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	3	4	3	3	4	3	4	3

### INTERESTS

SMO

### DATA PEOPLE THINGS (DPT)

167

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
4	0	2	4	2	3

### ENVIRONMENTAL CONDITIONS (EC)

L3, H8

### EDUCATION/TRAINING

1+, 4, R

## Examples of Job Titles

canoeing guide  
dude wrangler  
fishing guide  
hot air balloonist  
hunting guide  
mountain climbing guide  
outdoor guide  
outfitter  
rafting guide

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to organize and conduct trips and expeditions for sports enthusiasts, adventures, tourists and resort guests
- **Verbal ability** to lead and escort individuals and groups
- **Spatial and form perception** to provide first aid in emergency situations
- **Motor co-ordination and manual dexterity** to demonstrate and provide instructions on accepted techniques for the use of equipment
- **Social interest in speaking** to provide instruction for activities such as canoeing, rafting and mountain climbing; and to advise on emergency and safety measures and specific regulations concerning hunting, fishing and boating
- **Methodical interest in co-ordinating** information to plan itineraries for trips and expeditions; to arrange transportation; and to follow environmental guidelines and prevent violations
- **Objective interest in handling** to assemble equipment and supplies such as camping gear, rafts, life jackets, fishing tackle and food; and in transporting individuals and groups to sites; may prepare meals for groups and set up camps

---

**Physical Activities**


---

**Vision**  
4 Total visual field

**Colour Discrimination**  
0 Not relevant

**Hearing**  
2 Verbal interaction

**Body Position**  
4 Other body positions

**Limb Co-ordination**  
2 Multiple limb co-ordination

**Strength**  
3 Medium

---

**Environmental Conditions**


---

**Location**  
L3 Outside

**Hazards**  
H8 Dangerous locations

---

**Employment Requirements**


---

Education/Training  
1+, 4, R

- Knowledge of a particular terrain or body of water, demonstrated ability in the guided activity and relevant licences are required for employment in this group.
- Hot air balloon pilots require completion of 10 hours of ground school, 16 hours of pilot-in-command experience and federal licensing.
- Certification in first aid and CPR (cardiopulmonary resuscitation) may be required.

---

**Workplaces/Employers**


---

Private companies and resorts  
Self-employment

---

**Occupational Options**


---

Outdoor sport and recreational guides usually work on a seasonal basis.

---

**Similar Occupations Classified Elsewhere**


---

*Program Leaders and Instructors in Recreation and Sport (5254)*

*Tour and Travel Guides (6441)*

# 6443.1 Gambling Casino Supervisors

Supervisors in this group supervise and co-ordinate the activities of gambling casino workers.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	3	3	4	4	4	4	4	4

### INTERESTS

SMD

### DATA PEOPLE THINGS (DPT)

138

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
3	1	2	2	1	1

### ENVIRONMENTAL CONDITIONS (EC)

L1

### EDUCATION/TRAINING

4+, R

## Examples of Job Titles

shift manager, gambling casino

slot supervisor

supervisor, gaming tables

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to supervise and co-ordinate the work of gambling casino workers
- **Verbal and numerical ability** to train casino staff and to oversee the preparation of reports related to the activities of staff who calculate and pay out winning bets and jackpots and collect losing bets
- **Social interest** in resolving problems that arise, such as patrons' complaints and work related issues
- **Methodical interest** in **co-ordinating** and scheduling activities of staff working at gaming tables and slot machines
- **Directive interest** in **supervising** and training casino workers; and in monitoring gaming tables

---

**Physical Activities**


---

**Vision**

- 3 Near and far vision

**Colour Discrimination**

- 1 Relevant

**Hearing**

- 2 Verbal interaction

**Body Position**

- 2 Standing and/or walking

**Limb Co-ordination**

- 1 Upper limb co-ordination

**Strength**

- 1 Limited

---

**Environmental Conditions**


---

**Location**

- L1 Regulated inside climate

---

**Employment Requirements**


---

**Education/Training**

4+, R

- Completion of secondary school is usually required.
- Gambling casino supervisors usually require experience in all gambling activities.
- Security clearance is required for all gambling casino workers.
- Casino gaming licences are usually required for all casino employees.

---

**Workplaces/Employers**


---

Gambling casinos

---

**Similar Occupations Classified Elsewhere**


---

Amusement ride, sports facility and bingo hall workers (in 6671 *Operators and Attendants in Amusement, Recreation and Sport*)

Supervisors of attendants in recreation and sport (in 6216 *Other Service Supervisors*)

# 6443.2 Gambling Casino Workers

Gambling casino workers operate gaming tables, maintain slot machines, accept keno wagers, pay out winning bets and jackpots and collect losing bets.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	3	3	4	4	4	4	4	3

### INTERESTS

SMD

### DATA PEOPLE THINGS (DPT)

367

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
3	1	2	2	1	1

### ENVIRONMENTAL CONDITIONS (EC)

L1

### EDUCATION/TRAINING

3, R

## Examples of Job Titles

- croupier
- gambling dealer, casino
- keno runner, casino
- keno writer
- pit boss, gambling casino
- slot machine attendant, gambling casino

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** and **manual dexterity** to operate gambling tables and games such as roulette, blackjack, keno, baccarat, and poker

- **Verbal and numerical ability** to determine winners or announce winning numbers, calculate and pay out winning bets and jackpots, collect losing bets and maintain related reports
- **Social interest in speaking** with patrons to explain rules of games; and in assisting patrons experiencing difficulties with machines

- **Methodical interest in compiling** information to ensure that patrons follow game rules; and in accepting keno wagers and issuing computerized tickets for selection
- **Directive interest in handling** equipment to fill slot machines with coins and in performing minor adjustments to slot machines

---

### Physical Activities

---

#### Vision

- 3 Near and far vision

---

#### Colour Discrimination

- 1 Relevant

---

#### Hearing

- 2 Verbal interaction

---

#### Body Position

- 2 Standing and/or walking

---

#### Limb Co-ordination

- 1 Upper limb co-ordination

---

#### Strength

- 1 Limited

---

### Environmental Conditions

---

#### Location

- L1 Regulated inside climate

---

### Employment Requirements

---

#### Education/Training

3, R

- Completion of secondary school is usually required.
- On-the-job training is provided for gaming table dealers.
- Security clearance is required for all gambling casino workers.
- Casino gaming licences are usually required for all casino employees.

---

### Workplaces/Employers

---

Gambling casinos

---

### Occupational Options

---

Progression to gambling casino supervisor is possible with experience in all gambling activities.

---

### Similar Occupations Classified Elsewhere

---

Amusement ride, sports facility and bingo hall workers (in 6671 *Operators and Attendants in Amusement, Recreation and Sport*)

Supervisors of attendants in recreation and sport (in 6216 *Other Service Supervisors*)



# 6451 Maîtres d'hôtel and Hosts/Hostesses

Maîtres d'hôtel and hosts/hostesses greet patrons, escort them to tables, and supervise and co-ordinate the activities of food and beverage servers.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	3	4	4	4	4	4	4	4

### INTERESTS

MSd

### DATA PEOPLE THINGS (DPT)

138

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
3	0	2	2	0	1

### ENVIRONMENTAL CONDITIONS (EC)

L1

### EDUCATION/TRAINING

4

## Examples of Job Titles

host/hostess, food service

maître d'

maître d'hôtel

restaurant host/hostess

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning** and **verbal ability** to greet patrons at the entrance of dining rooms, restaurants and lounges, and escort them to tables and other seating areas
- **Form perception** to inspect dining and serving areas and equipment
- **Clerical perception** to accept payment for food and maintain financial statements and records
- **Methodical interest** in **co-ordinating** information to receive and record patrons' reservations and assign tables, prepare work schedules and payrolls, and co-ordinate the activities of food and beverage servers and other serving staff; and in ordering necessary dining room supplies and equipment
- **Social interest** in communicating with patrons to ensure satisfaction with food and service, and in attending to complaints
- **Directive interest** in **supervising** the activities of food and beverage servers and other serving staff; in interviewing candidates for food and beverage server positions, and in training new employees; may be responsible for marketing and advertising the dining establishment

---

**Physical Activities**


---

**Vision**

3 Near and far vision

**Colour Discrimination**

0 Not relevant

**Hearing**

2 Verbal interaction

**Body Position**

2 Standing and/or walking

**Limb Co-ordination**

0 Not relevant

**Strength**

1 Limited

---

**Environmental Conditions**


---

**Location**

L1 Regulated inside climate

---

**Employment Requirements**


---

**Education/Training**

4

- Completion of secondary school is usually required.
- Several weeks of on-the-job training are usually required.
- Maitres d'hôtel require experience as a formal service or captain waiter/waitress or other food service experience.

---

**Workplaces/Employers**


---

Cocktail lounges

Hotel dining rooms

Private clubs

Restaurants

---

**Similar Occupations Classified Elsewhere**


---

*Food and Beverage Servers* (6453)*Food Service Supervisors* (6212)

# 6452 Bartenders

Bartenders mix and serve alcoholic and non-alcoholic beverages. Supervisors of bartenders are included in this group.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
4	4	3	4	4	4	3	4	3

### INTERESTS

MSd

### DATA PEOPLE THINGS (DPT)

477

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	0	2	2	1	2

### ENVIRONMENTAL CONDITIONS (EC)

L1, D5

### EDUCATION/TRAINING

4, 6, R

## Examples of Job Titles

bar attendant  
barkeeper  
bartender  
head bartender

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to acquire a knowledge of wines and liquors, and to understand and apply the techniques of preparing and serving beverages
- **Numerical ability** to collect payment for beverages
- **Motor co-ordination and manual dexterity** to mix liquor, soft drinks, water and other ingredients to prepare cocktails and other drinks, to prepare wine, draft and bottled beer and non-alcoholic beverages; and to clean bar areas and wash glassware
- **Methodical interest in computing** to maintain inventories of bar stock, order supplies and record sales
- **Social interest in serving** alcoholic and non-alcoholic beverages to patrons; and in taking beverage orders from serving staff or directly from patrons
- **Directive interest in handling** the preparation of alcoholic and non-alcoholic beverages for food and beverage servers; and in ensuring compliance with provincial/territorial liquor legislation and regulations; may train and supervise other bartenders and bar staff; may hire and dismiss staff

---

**Physical Activities**


---

**Vision**

2 Near vision

**Colour Discrimination**

0 Not relevant

**Hearing**

2 Verbal interaction

**Body Position**

2 Standing and/or walking

**Limb Co-ordination**

1 Upper limb co-ordination

**Strength**

2 Light

---

**Environmental Conditions**


---

**Location**

L1 Regulated inside climate

**Discomforts**

D5 Wetness

---

**Employment Requirements**


---

**Education/Training**

4, 6, R

- Completion of secondary school may be required.
- Completion of college or other program in bartending  
or  
completion of courses in mixing drinks is usually required.
- Responsible beverage service certification may be required.

---

**Workplaces/Employers**


---

Banquet halls

Bars

Hotels

Licensed establishments

Private clubs

Restaurants

Taverns

---

**Occupational Options**


---

Progression to managerial positions in food and beverage service is possible with experience.

---

**Similar Occupations Classified Elsewhere**


---

*Food and Beverage Servers (6453)*

# 6453 Food and Beverage Servers

Food and beverage servers take and serve patrons' food and beverage orders.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
4	4	4	4	4	4	4	4	4

### INTERESTS

MSo

### DATA PEOPLE THINGS (DPT)

577

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
3	0	2	2	1	2

### ENVIRONMENTAL CONDITIONS (EC)

L1

### EDUCATION/TRAINING

2, 4, 5, R

## Examples of Job Titles

banquet server  
captain waiter/waitress  
chief wine steward  
cocktail waiter/waitress  
food and beverage server  
formal service waiter/waitress  
waiter/waitress  
wine steward

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning** and **verbal ability** to greet patrons, present menus, make recommendations and answer questions regarding food and beverages, as well as to recommend wines that complement patrons' meals
- **Numerical ability** to present bills to patrons and accept payments
- **Methodical interest** in **copying** to take orders and relay them to kitchen and bar staff; in performing sensory evaluation of wines; and in ordering and maintaining inventory of wines and wine glassware
- **Social interest** in **serving** food and beverages to patrons
- **Objective interest** in **handling** the preparation of specialty foods at patrons' tables

---

**Physical Activities**


---

**Vision**  
3 Near and far vision

**Colour Discrimination**  
0 Not relevant

**Hearing**  
2 Verbal interaction

**Body Position**  
2 Standing and/or walking

**Limb Co-ordination**  
1 Upper limb co-ordination

**Strength**  
2 Light

---

**Environmental Conditions**


---

**Location**  
L1 Regulated inside climate

---

**Employment Requirements**


---

Education/Training  
2, 4, 5, R

- Completion of secondary school may be required.
- Formal waiters/waitresses may require completion of a one- or two-year apprenticeship program  
*or*  
college or vocational school courses.
- Apprenticeship training programs for Food and Beverage Servers are available in Saskatchewan and British Columbia. Trade certification is available but voluntary in those provinces.
- On-the-job training is usually provided.
- Wine stewards may require courses in wine selection and service  
*or*  
experience as a captain waiter/waitress or formal waiter/waitress.
- Responsible beverage service certification may be required.

---

**Workplaces/Employers**


---

Banquet halls

Bars

Hotels

Private clubs

Restaurants

Taverns

---

**Similar Occupations Classified Elsewhere**


---

*Maître d'hôtel and Hosts/Hostesses*  
(6451)

*Restaurant and Food Service Managers*  
(0631)



# 6461 Sheriffs and Bailiffs

Sheriffs execute and enforce court orders, warrants and writs, participate in seizure and sale of property and perform courtroom and other related duties. Bailiffs serve legal orders and documents, seize or repossess properties, evict tenants and perform other related activities.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	3	4	4	4	3	4	4	4

### INTERESTS

Mds

### DATA PEOPLE THINGS (DPT)

567

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
4	1	2	3	2	3

### ENVIRONMENTAL CONDITIONS (EC)

L1, L4

### EDUCATION/TRAINING

4, 6, R

## Examples of Job Titles

bailiff  
deputy sheriff  
sheriff  
sheriff's bailiff  
sheriff's officer

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning** and **verbal ability** and **clerical perception** to prepare comprehensive reports and affidavits and maintain records
- **Methodical interest in copying** to serve statements of claims, summonses, warrants, jury summonses, orders to pay alimony and other court orders; in serving writs of execution by seizing and selling properties and distributing the proceeds according to court decisions; and in issuing warrants for imprisonment, arrest or apprehension
- **Directive interest in handling** to locate properties and make seizures and removals under various acts of Parliament; and in providing courthouse security for judges, security support for sequestered juries and perimeter security for the court house
- **Social interest in speaking** while escorting prisoners to and from courts and correctional institutions, and also while attending court, escorting witnesses and assisting in maintaining order

---

**Physical Activities**

Vision  
4 Total visual field

Colour Discrimination  
1 Relevant

Hearing  
2 Verbal interaction

Body Position  
3 Sitting, standing, walking

Limb Co-ordination  
2 Multiple limb co-ordination

Strength  
3 Medium

---

**Environmental Conditions**

Location  
L1 Regulated inside climate  
L4 In a vehicle or cab

---

**Employment Requirements**

Education/Training  
4, 6, R

- Completion of secondary school is usually required.
- A college diploma in legal studies may be required.
- Sheriffs require experience as a deputy sheriff or bailiff and/or in custodial/escort or security work.
- Bailiffs usually require some work experience related to law enforcement as well as knowledge of relevant statutes and laws.
- Membership in the provincial regulatory body is mandatory in Quebec.

---

**Workplaces/Employers**

Provincial or territorial courts  
Self-employment

---

**Occupational Options**

Progression to supervisory positions is possible with additional experience and in-house training.

---

**Similar Occupations Classified Elsewhere**

*Correctional Service Officers (6462)*

*Court Clerks (1443)*

*Police Officers (Except Commissioned) (6261)*

---

**Remarks**

Bailiffs may be employed in private service as agents for creditors.

# 6462 Correctional Service Officers

Correctional service officers guard prisoners and detainees and maintain order in correctional institutions and other places of detention.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	4	4	4	3	4	4	4	4

### INTERESTS

MDs

### DATA PEOPLE THINGS (DPT)

538

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
4	0	2	3	2	3

### ENVIRONMENTAL CONDITIONS (EC)

L1

### EDUCATION/TRAINING

4

## Examples of Job Titles

correctional facility guard  
correctional service officer  
detention attendant  
prison guard  
supervisor, correctional officers

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to observe conduct and behaviour of prisoners to prevent disturbances and escapes
- **Form perception** to recognize signs of tampering when inspecting locks, grills and doors for security
- **Methodical interest** in **copying** to prepare admission, program, release, transfer and other reports
- **Directive interest** in **supervising** prisoners during work assignments, meals and recreation periods, and in patrolling assigned areas and reporting any problems to supervisors; may supervise and co-ordinate work of other correctional service officers
- **Social interest** in escorting prisoners in transit and during temporary leaves

---

**Physical Activities**


---

**Vision**

4 Total visual field

**Colour Discrimination**

0 Not relevant

**Hearing**

2 Verbal interaction

**Body Position**

3 Sitting, standing, walking

**Limb Co-ordination**

2 Multiple limb co-ordination

**Strength**

3 Medium

---

**Environmental Conditions**


---

**Location**

L1 Regulated inside climate

---

**Employment Requirements**


---

**Education/Training**

4

- Completion of secondary school is required.
- Correctional officer recruits must successfully complete the Corrections Canada training course to be employed by federal institutions.
- Correctional officer recruits are usually required to complete a basic training course to be employed by provincial/territorial institutions.

---

**Workplaces/Employers**


---

Federal government

Municipal governments

Provincial governments

---

**Occupational Options**


---

Correctional service supervisors require experience as a correctional service officer.

---

**Similar Occupations Classified Elsewhere**


---

Detention home workers (in 4212  
*Community and Social Service Workers*)

*Managers in Social, Community and  
Correctional Services* (0314)

*Social Workers* (4152)

# 6463.1 Animal Control Officers

Animal control officers enforce animal control by-laws and regulations of provincial and municipal governments.

Profile Summary

APTITUDES

G

V

N

S

P

Q

K

F

M

4

4

4

4

4

4

4

4

3

INTERESTS

MDs

DATA PEOPLE THINGS (DPT)

563

PHYSICAL ACTIVITIES (PA)

V

C

H

B

L

S

3

0

2

4

2

3

ENVIRONMENTAL CONDITIONS (EC)

L1, L3, L4, H2

EDUCATION/TRAINING

4, 6

Examples of Job Titles

animal control officer

Descriptor Profile		
<b>Main Characteristics</b>		
Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:		
<ul style="list-style-type: none"><li>▪ <b>General learning ability</b> to acquire knowledge of animal control by-laws and regulations</li><li>▪ <b>Manual dexterity</b> to operate vehicles and handle animals</li><li>▪ <b>Methodical interest</b> in <b>copying</b> to issue warnings and citations to owners</li><li>▪ <b>Directive interest</b> in <b>driving</b> to impound lost, homeless and dangerous animals</li><li>▪ <b>Social interest</b> in <b>speaking</b> to citizens in response to complaints concerning stray domestic animals, livestock and wildlife</li></ul>		

## Physical Activities

### Vision

- 3 Near and far vision

### Colour Discrimination

- 0 Not relevant

### Hearing

- 2 Verbal interaction

### Body Position

- 4 Other body positions

### Limb Co-ordination

- 2 Multiple limb co-ordination

### Strength

- 3 Medium

## Environmental Conditions

### Location

- L1 Regulated inside climate
- L3 Outside
- L4 In a vehicle or cab

### Hazards

- H2 Biological agents

## Employment Requirements

### Education/Training

- 4, 6

- Completion of secondary school is required.
- Completion of a college program or courses in law and security or other related field  
*or*  
experience in a related administrative or regulatory occupation is usually required.
- On-the-job training is provided.

## Workplaces/Employers

Municipal and provincial government agencies

Municipal governments

Provincial governments

## Similar Occupations Classified Elsewhere

*Engineering Inspectors and Regulatory Officers (2262)*

*Immigration, Employment Insurance and Revenue Officers (1228)*

*Inspectors in Public and Environmental Health and Occupational Health and Safety (2263)*

*Other Protective Service Occupations (6465)*

*Police Officers (Except Commissioned) (6261)*

*Sheriffs and Bailiffs (6461)*



# 6463.2 By-law Enforcement Officers

By-law enforcement officers enforce by-laws and regulations of provincial and municipal governments.

Profile Summary

Aptitudes

G	V	N	S	P	Q	K	F	M
3	3	4	4	4	4	4	4	4

Interests

MDs

Data People Things (DPT)

368

Physical Activities (PA)

V	C	H	B	L	S
3	0	2	3	0	1

Environmental Conditions (EC)

L1, L3, L4

Education/Training

4, 6

Examples of Job Titles

by-law enforcement officer

property standards inspector

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to acquire knowledge of by-laws and regulations
- **Verbal ability** to understand the technical language of by-laws and regulations, and to communicate information effectively
- **Methodical interest in compiling** information to investigate complaints
- **Directive interest** in enforcing municipal and provincial regulations
- **Social interest in speaking** to issue warnings and citations to commercial and residential property owners and occupants

## Physical Activities

### Vision

- 3 Near and far vision

### Colour Discrimination

- 0 Not relevant

### Hearing

- 2 Verbal interaction

### Body Position

- 3 Sitting, standing, walking

### Limb Co-ordination

- 0 Not relevant

### Strength

- 1 Limited

## Environmental Conditions

### Location

- L1 Regulated inside climate  
L3 Outside  
L4 In a vehicle or cab

## Employment Requirements

### Education/Training

- 4, 6

- Completion of secondary school is required.
- Completion of a college program or courses in law and security or other related field  
*or*  
experience in a related administrative or regulatory occupation is usually required.
- On-the-job training is provided.

## Workplaces/Employers

Municipal and provincial government agencies

Municipal governments

Provincial governments

## Similar Occupations Classified Elsewhere

*Engineering Inspectors and Regulatory Officers (2262)*

*Immigration, Employment Insurance and Revenue Officers (1228)*

*Inspectors in Public and Environmental Health and Occupational Health and Safety (2263)*

*Other Protective Service Occupations (6465)*

*Police Officers (Except Commissioned) (6261)*

*Sheriffs and Bailiffs (6461)*

## Remarks

By-law enforcement officers may specialize in the enforcement of one specific by-law.

# 6463.3 Commercial Transport Inspectors

Commercial transport inspectors enforce regulations of provincial and municipal governments.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	3	3	4	4	3	4	4	4

### INTERESTS

MDo

### DATA PEOPLE THINGS (DPT)

364

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
3	0	2	3	1	1

### ENVIRONMENTAL CONDITIONS (EC)

L1, L3, L4, H1

### EDUCATION/TRAINING

4, 6

## Examples of Job Titles

commercial transport inspector

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to acquire knowledge of regulations
- **Verbal ability** to understand the technical language of regulations and communicate information effectively
- **Numerical ability** and **clerical perception** to ensure that commercial vehicles meet regulations governing load restrictions
- **Methodical interest** in **compiling** information to inspect commercial vehicles to ensure compliance with regulations governing load restrictions, the transportation of hazardous materials and public safety
- **Directive interest** in **speaking** with transport drivers and companies to advise on standards and adherence to regulations
- **Objective interest** in **operating** equipment to conduct inspections of commercial vehicles

## Physical Activities

### Vision

- 3 Near and far vision

### Colour Discrimination

- 0 Not relevant

### Hearing

- 2 Verbal interaction

### Body Position

- 3 Sitting, standing, walking

### Limb Co-ordination

- 1 Upper limb co-ordination

### Strength

- 1 Limited

## Environmental Conditions

### Location

- L1 Regulated inside climate
- L3 Outside
- L4 In a vehicle or cab

### Hazards

- H1 Dangerous chemical substances

## Employment Requirements

### Education/Training

4, 6

- Completion of secondary school is required.
- Completion of a college program or courses in law and security or other related field  
or  
experience in a related administrative or regulatory occupation is usually required.
- On-the-job training is provided.

## Workplaces/Employers

Municipal and provincial government agencies

Municipal governments

Provincial governments

## Similar Occupations Classified Elsewhere

*Engineering Inspectors and Regulatory Officers (2262)*

*Immigration, Employment Insurance and Revenue Officers (1228)*

*Inspectors in Public and Environmental Health and Occupational Health and Safety (2263)*

*Other Protective Service Occupations (6465)*

*Police Officers (Except Commissioned) (6261)*

*Sheriffs and Bailiffs (6461)*

# 6463.4 Garbage Collection Inspectors

Garbage collection inspectors enforce garbage collection by-laws and regulations of provincial and municipal governments.

Profile Summary										Examples of Job Titles									
APTITUDES										garbage collection inspector									
G	V	N	S	P	Q	K	F	M											
3	3	4	4	4	4	4	4	4											
INTERESTS																			
MDs																			
DATA PEOPLE THINGS (DPT)																			
368																			
PHYSICAL ACTIVITIES (PA)																			
V	C	H	B	L	S														
3	0	2	3	0	2														
ENVIRONMENTAL CONDITIONS (EC)																			
L1, L3, L4, H1																			
EDUCATION/TRAINING																			
4, 6																			

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to acquire knowledge of garbage collection by-laws

- **Verbal ability** to understand the technical language of garbage collection by-laws and communicate information effectively
- **Methodical interest** in **compiling** information to investigate complaints concerning infractions
- **Directive interest** in conducting investigations and enforcing adherence to by-laws
- **Social interest** in **speaking** with the public to advise on garbage collection by-laws

## Physical Activities

**Vision**  
3 Near and far vision

**Colour Discrimination**  
0 Not relevant

**Hearing**  
2 Verbal interaction

**Body Position**  
3 Sitting, standing, walking

**Limb Co-ordination**  
0 Not relevant

**Strength**  
2 Light

## Environmental Conditions

**Location**  
L1 Regulated inside climate  
L3 Outside  
L4 In a vehicle or cab

**Hazards**  
H1 Dangerous chemical substances

## Employment Requirements

Education/Training  
4, 6

- Completion of secondary school is required.
- Completion of a college program or courses in law and security or other related field  
or  
experience in a related administrative or regulatory occupation is usually required.
- On-the-job training is provided.

## Workplaces/Employers

Municipal and provincial government agencies

Municipal governments

Provincial governments

## Similar Occupations Classified Elsewhere

*Engineering Inspectors and Regulatory Officers (2262)*

*Immigration, Employment Insurance and Revenue Officers (1228)*

*Inspectors in Public and Environmental Health and Occupational Health and Safety (2263)*

*Other Protective Service Occupations (6465)*

*Police Officers (Except Commissioned) (6261)*

*Sheriffs and Bailiffs (6461)*



# 6463.5 Liquor Licence Inspectors

Liquor licence inspectors enforce liquor laws and regulations of provincial and municipal governments.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	3	4	4	4	4	4	4	4

### INTERESTS

MDs

### DATA PEOPLE THINGS (DPT)

368

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
3	0	2	3	0	1

### ENVIRONMENTAL CONDITIONS (EC)

L1

### EDUCATION/TRAINING

4, 6

## Examples of Job Titles

liquor licence inspector

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to acquire knowledge of liquor laws and regulations
- **Verbal ability** to understand the technical language of liquor laws and regulations, and to communicate information effectively
- **Methodical interest** in **compiling** information to conduct inspections of licensed establishments
- **Directive interest** in reporting contravention of laws and regulations to provincial liquor control boards and agencies
- **Social interest** in **speaking** with licensees to advise on laws and regulations

## Physical Activities

**Vision**  
3 Near and far vision

**Colour Discrimination**  
0 Not relevant

**Hearing**  
2 Verbal interaction

**Body Position**  
3 Sitting, standing, walking

**Limb Co-ordination**  
0 Not relevant

**Strength**  
1 Limited

## Environmental Conditions

**Location**  
L1 Regulated inside climate

## Employment Requirements

Education/Training  
4, 6

- Completion of secondary school is required.
- Completion of a college program or courses in law and security or other related field  
or  
experience in a related administrative or regulatory occupation is usually required.
- On-the-job training is provided.

## Workplaces/Employers

Municipal and provincial government agencies

Municipal governments

Provincial governments

## Similar Occupations Classified Elsewhere

*Engineering Inspectors and Regulatory Officers (2262)*

*Immigration, Employment Insurance and Revenue Officers (1228)*

*Inspectors in Public and Environmental Health and Occupational Health and Safety (2263)*

*Other Protective Service Occupations (6465)*

*Police Officers (Except Commissioned) (6261)*

*Sheriffs and Bailiffs (6461)*

# 6463.6 Parking Control Officers

Parking control officers enforce parking control by-laws of provincial and municipal governments.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	4	4	4	4	4	3	4	4

### INTERESTS

MDo

### DATA PEOPLE THINGS (DPT)

583

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
3	0	1	3	1	1

### ENVIRONMENTAL CONDITIONS (EC)

L1, L3, L4

### EDUCATION/TRAINING

4, 6

## Examples of Job Titles

parking control officer

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to acquire knowledge of parking by-laws
- **Motor co-ordination** to operate vehicles and issue tickets
- **Methodical interest** in **copying** to complete tickets indicating information such as dates, meter numbers and space areas, licence numbers and times of infractions
- **Directive interest** in enforcing parking by-laws on city streets, regional roads and municipal properties
- **Objective interest** in **driving** to patrol assigned areas of metered parking lots and sections of the city

## Physical Activities

**Vision**  
3 Near and far vision

**Colour Discrimination**  
0 Not relevant

**Hearing**  
1 Limited

**Body Position**  
3 Sitting, standing, walking

**Limb Co-ordination**  
1 Upper limb co-ordination

**Strength**  
1 Limited

## Environmental Conditions

**Location**  
L1 Regulated inside climate  
L3 Outside  
L4 In a vehicle or cab

## Employment Requirements

Education/Training  
4, 6

- Completion of secondary school is required.
- Completion of a college program or courses in law and security or other related field  
or  
experience in a related administrative or regulatory occupation is usually required.
- On-the-job training is provided.

## Workplaces/Employers

Municipal and provincial government agencies  
Municipal governments  
Provincial governments

## Similar Occupations Classified Elsewhere

*Engineering Inspectors and Regulatory Officers (2262)*

*Immigration, Employment Insurance and Revenue Officers (1228)*

*Inspectors in Public and Environmental Health and Occupational Health and Safety (2263)*

*Other Protective Service Occupations (6465)*

*Police Officers (Except Commissioned) (6261)*

*Sheriffs and Bailiffs (6461)*

# 6463.7 Taxi Inspectors

Taxi inspectors enforce by-laws and regulations of provincial and municipal governments.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	3	4	4	4	4	4	4	4

### INTERESTS

MDo

### DATA PEOPLE THINGS (DPT)

364

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
3	0	2	3	1	1

### ENVIRONMENTAL CONDITIONS (EC)

L1, L3, L4

### EDUCATION/TRAINING

4, 6

## Examples of Job Titles

taxi inspector

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning and verbal ability** to issue citations and prepare reports
- **Methodical interest in compiling** information to investigate public complaints
- **Directive interest in speaking** to give evidence in court and to city councils and taxi commissions
- **Objective interest in operating – manipulating** to inspect taxis for mechanical reliability, cleanliness, licensing and meter accuracy

## Physical Activities

### Vision

- 3 Near and far vision

### Colour Discrimination

- 0 Not relevant

### Hearing

- 2 Verbal interaction

### Body Position

- 3 Sitting, standing, walking

### Limb Co-ordination

- 1 Upper limb co-ordination

### Strength

- 1 Limited

## Environmental Conditions

### Location

- L1 Regulated inside climate
- L3 Outside
- L4 In a vehicle or cab

## Employment Requirements

### Education/Training

- 4, 6

- Completion of secondary school is required.
- Completion of a college program or courses in law and security or other related field  
*or*  
experience in a related administrative or regulatory occupation is usually required.
- On-the-job training is provided.

## Workplaces/Employers

Municipal and provincial government agencies

Municipal governments

Provincial governments

## Similar Occupations Classified Elsewhere

*Engineering Inspectors and Regulatory Officers (2262)*

*Immigration, Employment Insurance and Revenue Officers (1228)*

*Inspectors in Public and Environmental Health and Occupational Health and Safety (2263)*

*Other Protective Service Occupations (6465)*

*Police Officers (Except Commissioned) (6261)*

*Sheriffs and Bailiffs (6461)*



# 6463.8 Zoning Inspectors

Zoning inspectors investigate properties in violation of zoning and related by-laws of provincial and municipal governments.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	3	4	4	4	4	4	4	4

### INTERESTS

MDs

### DATA PEOPLE THINGS (DPT)

368

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
3	0	2	3	0	1

### ENVIRONMENTAL CONDITIONS (EC)

L1, L3, L4

### EDUCATION/TRAINING

4, 6

## Examples of Job Titles

zoning inspector

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to acquire knowledge of zoning and related by-laws and regulations to respond to requests for licence clearances and building permit applications
- **Verbal ability** to understand the technical language of zoning by-laws and communicate information effectively
- **Methodical interest** in **compiling** information to investigate properties in violation of zoning by-laws
- **Directive interest** in conducting investigations and enforcing adherence to zoning by-laws
- **Social interest** in **speaking** to issue warnings and citations to commercial and residential property owners and occupants

## Physical Activities

### Vision

- 3 Near and far vision

### Colour Discrimination

- 0 Not relevant

### Hearing

- 2 Verbal interaction

### Body Position

- 3 Sitting, standing, walking

### Limb Co-ordination

- 0 Not relevant

### Strength

- 1 Limited

## Environmental Conditions

### Location

- L1 Regulated inside climate
- L3 Outside
- L4 In a vehicle or cab

## Employment Requirements

### Education/Training

- 4, 6

- Completion of secondary school is required.
- Completion of a college program or courses in law and security or other related field  
*or*  
experience in a related administrative or regulatory occupation is usually required.
- On-the-job training is provided.
- Zoning inspectors or zoning enforcement officers may require a college diploma as a civil engineering or architectural technologist or technician and several years of experience in enforcement and/or building construction or a related field.

## Workplaces/Employers

Municipal and provincial government agencies

Municipal governments

Provincial governments

## Similar Occupations Classified Elsewhere

*Engineering Inspectors and Regulatory Officers (2262)*

*Immigration, Employment Insurance and Revenue Officers (1228)*

*Inspectors in Public and Environmental Health and Occupational Health and Safety (2263)*

*Other Protective Service Occupations (6465)*

*Police Officers (Except Commissioned) (6261)*

*Sheriffs and Bailiffs (6461)*

# 6464 Occupations Unique to the Armed Forces

This group includes personnel in occupations unique to the armed forces such as artillery soldiers, infantry soldiers, air defence technicians and naval electronics technicians who provide collective defence measures to protect Canadian waters, land, airspace and other interests.

Profile Summary									Examples of Job Titles		
APTITUDES									air defence technician		
G	V	N	S	P	Q	K	F	M	armoured vehicle crewmember		
3	3	4	3	3	4	3	3	3	artillery soldier		
INTERESTS									field engineer		
MOs									infantry soldier		
DATA PEOPLE THINGS (DPT)									naval weapons technician		
262									sonar operator		
PHYSICAL ACTIVITIES (PA)									tank driver		
V	C	H	B	L	S				weapons operator		
1-4*	0-1*	1-3*	1-4*	0-2*	1-4*						
ENVIRONMENTAL CONDITIONS (EC)											
L1-L4*, H1-H8*, D1-D5*											
EDUCATION/TRAINING											
5											

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning and verbal ability** to provide defence measures to protect Canadian waters, land, airspace and other interests, as well as to engage in peacekeeping operations and enforce cease-fire agreements
- **Spatial and form perception** to visualize the relative positions of equipment parts and components, and to detect equipment malfunctions
- **Motor co-ordination and finger and manual dexterity** to use various military combat equipment and defence systems
- **Methodical interest in analyzing** information to provide aid in emergency situations such as civil disorder, natural disasters and major accidents, as well as to perform administrative and guard duties
- **Objective interest in controlling** armoured vehicles, artillery, hand-held weapons and other military combat and defence equipment
- **Social interest in speaking – signalling** to engage in drills and other training in preparation for peacekeeping, combat and natural disaster relief duties

## Physical Activities

Vision  
1-4\*

Colour Discrimination  
0-1\*

Hearing  
1-3\*

Body Position  
1-4\*

Limb Co-ordination  
0-2\*

Strength  
1-4\*

## Environmental Conditions

Location  
L1-L4\*

Hazards  
H1-H8\*

Discomforts  
D1-D5\*

## Employment Requirements

Education/Training  
5

- Completion of secondary school is usually required.
- Three months of basic military training are provided.
- Specialized training in the operation and maintenance of military equipment and systems is provided.

## Workplaces/Employers

Armed forces

## Occupational Options

Progression to commissioned officer occupations is possible with additional training and experience.

## Similar Occupations Classified Elsewhere

*Commissioned Officers, Armed Forces (0643)*

Occupations in the armed forces for which there are civilian counterparts are classified with those occupations. For example:

Military police officers (in 6261 *Police Officers (Except Commissioned)*)

Musicians – military (in 5133 *Musicians and Singers*)

Vehicle technicians – military (in 7321 *Automotive Services Technicians, Truck Mechanics and Mechanical Repairers*)

## Remarks

Personnel in this group are assigned to specific operations related to reconnaissance, peacekeeping, disaster relief and combat.

\*Physical Activities and Environmental Conditions

- For occupations in this group, all Physical Activities and Environmental Conditions factors and levels may apply. All soldiers must be prepared in case of war or other military action.

# 6465.1 Corporate Security Officers

Corporate security officers conduct private investigations for clients and employers, implement security measures to protect properties against theft and fire, and provide other protective services.

Profile Summary										Examples of Job Titles	
APTITUDES											alarm investigator
G	V	N	S	P	Q	K	F	M			corporate security officer
3	3	4	4	4	4	4	4	4			house detective
INTERESTS											postal inspection officer
MDs											
DATA PEOPLE THINGS (DPT)											
368											
PHYSICAL ACTIVITIES (PA)											
V	C	H	B	L	S						
3	0	2	3	0	1						
ENVIRONMENTAL CONDITIONS (EC)											
L1											
EDUCATION/TRAINING											
3, 5, 6											

Descriptor Profile		
Main Characteristics		
Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:		
▪ <b>General learning</b> and <b>verbal ability</b> to understand and apply techniques used to conduct private investigations	▪ <b>Methodical interest</b> in <b>compiling</b> information to investigate unlawful acts of employees and patrons of establishments	▪ <b>Social interest</b> in <b>speaking</b> to question individuals to obtain information and evidence
	▪ <b>Directive interest</b> in recommending security systems such as electronic detection devices and access devices	

## Physical Activities

### Vision

- 3 Near and far vision

### Colour Discrimination

- 0 Not relevant

### Hearing

- 2 Verbal interaction

### Body Position

- 3 Sitting, standing, walking

### Limb Co-ordination

- 0 Not relevant

### Strength

- 1 Limited

## Environmental Conditions

### Location

- L1 Regulated inside climate

## Employment Requirements

### Education/Training

- 3, 5, 6

- Completion of secondary school is required.
- A college diploma in law and security may be required.
- On-the-job training may be provided.
- Experience as a police officer may be required for corporate security officers.

## Workplaces/Employers

Businesses

Hotels

Industrial organizations

Retail establishments

Security and investigation service companies

Self-employment

## Similar Occupations Classified Elsewhere

*Police Officers (Except Commissioned)*  
(6261)

*Security Guards and Related Occupations* (6651)

Systems security analysts (in 2171  
*Information System Analysts and Consultants*)



# 6465.2 Private Investigators

Private investigators conduct private investigations for clients and employers.

Profile Summary									Examples of Job Titles		
APTITUDES									private investigator security officer, private		
G	V	N	S	P	Q	K	F	M			
3	3	4	4	3	4	4	4	4			
INTERESTS											
MIS											
DATA PEOPLE THINGS (DPT)											
368											
PHYSICAL ACTIVITIES (PA)											
V	C	H	B	L	S						
3	0	2	3	0	1						
ENVIRONMENTAL CONDITIONS (EC)											
L1, L3, H8											
EDUCATION/TRAINING											
3, 6, R											

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning** and **verbal ability** to understand and apply the principles and techniques of private investigations
- **Form perception** to note pertinent details in materials and objects
- **Methodical interest** in **compiling** information for use in civil and criminal litigation matters; may also conduct polygraph tests (integrity surveys) for clients
- **Innovative interest** in conducting investigations to locate missing persons
- **Social interest** in **speaking** to question individuals to obtain information and evidence

Physical Activities

Vision  
3 Near and far vision

Colour Discrimination  
0 Not relevant

Hearing  
2 Verbal interaction

Body Position  
3 Sitting, standing, walking

Limb Co-ordination  
0 Not relevant

Strength  
1 Limited

Environmental Conditions

Location  
L1 Regulated inside climate  
L3 Outside

Hazards  
H8 Dangerous locations

Employment Requirements

Education/Training  
3, 6, R

- Completion of secondary school is required.
- A college diploma in law and security may be required.
- On-the-job training may be provided.
- Provincial licensure is required for private investigators.

Workplaces/Employers

Businesses  
Hotels  
Industrial organizations  
Retail establishments  
Security and investigation service companies  
Self-employment

Similar Occupations Classified Elsewhere

*Police Officers (Except Commissioned)*  
(6261)

*Security Guards and Related Occupations* (6651)

Systems security analysts (in 2171  
*Information System Analysts and Consultants*)

# 6465.3 Retail Loss Prevention Officers

Retail loss prevention officers conduct private investigations for clients and employers, implement security measures to protect properties against theft and fire, and provide other protective services.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	3	4	4	4	4	4	4	4

### INTERESTS

Mds

### DATA PEOPLE THINGS (DPT)

367

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
3	0	2	3	1	1

### ENVIRONMENTAL CONDITIONS (EC)

L1

### EDUCATION/TRAINING

3, 6

## Examples of Job Titles

retail loss prevention officer  
store detective  
theft prevention officer

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to prevent and detect shoplifting and theft in retail establishments
- **Verbal ability** to prepare reports of investigations for authorities
- **Methodical interest in compiling** information to conduct investigations on own initiative or on employers' requests
- **Directive interest in handling** to perform duties of regular employees such as selling and stock checking
- **Social interest in speaking** to question individuals and suspects in attempts to secure evidence and personal admissions relating to cases being investigated

## Physical Activities

**Vision**  
3 Near and far vision

**Colour Discrimination**  
0 Not relevant

**Hearing**  
2 Verbal interaction

**Body Position**  
3 Sitting, standing, walking

**Limb Co-ordination**  
1 Upper limb co-ordination

**Strength**  
1 Limited

## Environmental Conditions

**Location**  
L1 Regulated inside climate

## Employment Requirements

Education/Training  
3, 6

- Completion of secondary school is required.
- A college diploma in law and security may be required.
- On-the-job training may be provided.

## Workplaces/Employers

Businesses  
Hotels  
Industrial organizations  
Retail establishments  
Security and investigation service companies  
Self-employment

## Similar Occupations Classified Elsewhere

*Police Officers (Except Commissioned)*  
(6261)

*Security Guards and Related Occupations* (6651)

Systems security analysts (in 2171  
*Information System Analysts and Consultants*)

# 6471.1 Visiting Homemakers

Visiting homemakers provide ongoing and short-term home support services for individuals and families during periods of incapacitation, convalescence and family disruption.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	3	4	4	4	4	4	4	4

### INTERESTS

SMo

### DATA PEOPLE THINGS (DPT)

377

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	0	2	4	1	3

### ENVIRONMENTAL CONDITIONS (EC)

L1

### EDUCATION/TRAINING

2, 4, R

## Examples of Job Titles

home support worker  
personal care attendant  
visiting homemaker

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning** and **verbal ability** to care for individuals and families during periods of incapacitation, convalescence and family disruption
- **Social interest in serving – assisting** clients by administering bedside and personal care such as aid in walking, bathing, personal hygiene and dressing and undressing; by feeding or assisting in feeding clients; and in demonstrating infant care to new parents
- **Methodical interest in compiling** information to maintain client files and plan meals and special diets
- **Objective interest in handling** the preparation of meals and special diets; may perform routine housekeeping duties such as laundry, washing dishes and making beds; may perform routine health-related duties such as change non-sterile dressings, administer medications and collect specimens under the direction of a home care agency supervisor or nurse

## Physical Activities

### Vision

- 2 Near vision

### Colour Discrimination

- 0 Not relevant

### Hearing

- 2 Verbal interaction

### Body Position

- 4 Other body positions

### Limb Co-ordination

- 1 Upper limb co-ordination

### Strength

- 3 Medium

## Environmental Conditions

### Location

- L1 Regulated inside climate

## Employment Requirements

### Education/Training

- 2, 4, R

- Some secondary school education is usually required.
- Child-care or home management experience may be required.
- Visiting homemakers may require college or other courses in home support.
- First aid certification may be required.

## Workplaces/Employers

Government organizations

Home care agencies

Non-profit agencies

Self-employment

## Occupational Options

There is mobility among the occupations in the 6471 group.

Visiting homemakers may move into occupations such as health care aide or long-term care aide in nursing homes and long-term care institutions.

## Similar Occupations Classified Elsewhere

*Babysitters, Nannies and Parents' Helpers (6474)*

Housekeepers who are house cleaners (in 6661 *Light Duty Cleaners*)



# 6471.2 Housekeepers

Housekeepers perform housekeeping and other home management duties.

Profile Summary										Examples of Job Titles									
APTITUDES										housekeeper									
G	V	N	S	P	Q	K	F	M											
3	4	4	4	4	4	3	4	3											
INTERESTS																			
MOs																			
DATA PEOPLE THINGS (DPT)																			
577																			
PHYSICAL ACTIVITIES (PA)																			
V	C	H	B	L	S														
2	0	1	4	1	3														
ENVIRONMENTAL CONDITIONS (EC)																			
L1																			
EDUCATION/TRAINING																			
2, R																			

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability, motor co-ordination and manual dexterity** to carry out home management duties

- **Methodical interest** in copying information to work under general direction of employers, and to plan and prepare meals independently or with employers

- **Objective interest** in handling cleaning materials and equipment to perform housekeeping tasks

- **Social interest** in serving – **assisting** to perform housekeeping duties; may serve meals and care for children

## Physical Activities

### Vision

2 Near vision

### Colour Discrimination

0 Not relevant

### Hearing

1 Limited

### Body Position

4 Other body positions

### Limb Co-ordination

1 Upper limb co-ordination

### Strength

3 Medium

## Environmental Conditions

### Location

L1 Regulated inside climate

## Employment Requirements

### Education/Training

2, R

- Some secondary school education is usually required.
- Child-care or home management experience may be required.
- First aid certification may be required.

## Workplaces/Employers

Embassies

Private households

Residential establishments

## Occupational Options

There is mobility among the occupations in the 6471 group.

## Similar Occupations Classified Elsewhere

*Babysitters, Nannies and Parents' Helpers (6474)*

Housekeepers who are house cleaners (in 6661 *Light Duty Cleaners*)

# 6471.3 Companions

Companions provide elderly and convalescent clients with companionship and personal care in residential and institutional settings.

Profile Summary										Examples of Job Titles	
APTITUDES										companion personal aide	
G	V	N	S	P	Q	K	F	M			
4	4	4	4	4	4	4	4	4			
INTERESTS											
SMo											
DATA PEOPLE THINGS (DPT)											
577											
PHYSICAL ACTIVITIES (PA)											
V	C	H	B	L	S						
2	0	2	4	1	3						
ENVIRONMENTAL CONDITIONS (EC)											
L1, L3*											
EDUCATION/TRAINING											
2, R											

Descriptor Profile		
<b>Main Characteristics</b>  Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties: <ul style="list-style-type: none"><li>▪ <b>General learning</b> and <b>verbal ability</b> to provide elderly and convalescent clients with companionship and personal care in clients' homes</li></ul>	<ul style="list-style-type: none"><li>▪ <b>Social interest</b> in <b>serving – assisting</b> clients by providing aid with walking, bathing and other aspects of personal hygiene</li></ul>	
	<ul style="list-style-type: none"><li>▪ <b>Methodical interest</b> in <b>copying</b> to carry out activities under general direction of home care agency supervisor or family members</li></ul>	<ul style="list-style-type: none"><li>▪ <b>Objective interest</b> in <b>handling</b> to perform various activities related to the provision of personal care</li></ul>

## Physical Activities

### Vision

2 Near vision

### Colour Discrimination

0 Not relevant

### Hearing

2 Verbal interaction

### Body Position

4 Other body positions

### Limb Co-ordination

1 Upper limb co-ordination

### Strength

3 Medium

## Environmental Conditions

### Location

L1 Regulated inside climate

L3\* Outside

## Employment Requirements

### Education/Training

2, R

- Some secondary school education is usually required.
- Child-care or home management experience may be required.
- First aid certification may be required.

## Workplaces/Employers

Home-care agencies

Self-employment

## Occupational Options

There is mobility among the occupations in the 6471 group.

## Similar Occupations Classified Elsewhere

*Babysitters, Nannies and Parents' Helpers* (6474)

Housekeepers who are house cleaners (in 6661 *Light Duty Cleaners*)

## Remarks

\*Environmental Conditions

- For some occupations in this group, Location L3 (Outside) may also apply.

# 6471.4 Foster Parents

Foster parents care for children as family members under the direction of foster-parent agencies.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	3	4	4	4	4	3	4	3

### INTERESTS

SID

### DATA PEOPLE THINGS (DPT)

378

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
3	0	2	4	1	3

### ENVIRONMENTAL CONDITIONS (EC)

L1, L3\*

### EDUCATION/TRAINING

2, R

## Examples of Job Titles

foster parent

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning** and **verbal ability** to care for foster children, usually on an emergency or temporary basis, as family members under the general direction of foster-parent agencies
- **Motor co-ordination** and **manual dexterity** to carry out various child-care activities
- **Social interest** in consulting foster-parent agency supervisors for advice and when problems arise
- **Innovative interest** in **compiling** information to apply knowledge and techniques of child care
- **Directive interest** in **serving – assisting** to administer therapeutic programs for foster children as directed by foster-agency social workers

## Physical Activities

**Vision**  
3 Near and far vision

**Colour Discrimination**  
0 Not relevant

**Hearing**  
2 Verbal interaction

**Body Position**  
4 Other body positions

**Limb Co-ordination**  
1 Upper limb co-ordination

**Strength**  
3 Medium

## Environmental Conditions

**Location**  
L1 Regulated inside climate  
L3\* Outside

## Employment Requirements

Education/Training  
2, R

- Some secondary school education is usually required.
- Child-care or home management experience may be required.
- First aid certification may be required.

## Workplaces/Employers

Within own homes for foster-parent agencies

## Occupational Options

There is mobility among the occupations in the 6471 group.

## Similar Occupations Classified Elsewhere

*Babysitters, Nannies and Parents' Helpers* (6474)

Housekeepers who are house cleaners (in 6661 *Light Duty Cleaners*)

## Remarks

\*Environmental Conditions

- For some occupations in this group, Location L3 (Outside) may also apply.



6472

Elementary and Secondary School Teacher Assistants

This group includes workers who assist elementary and secondary school teachers and counsellors.

Profile Summary						Examples of Job Titles			
APTITUDES						educational assistant			
G	V	N	S	P	Q	K	F	M	educational resources assistant
3	3	3	3	3	3	4	3	3	lunch room supervisor
INTERESTS						program assistant, education			
SMi						secondary school teacher's assistant			
DATA PEOPLE THINGS (DPT)						special education assistant			
577						staff assistant, education			
PHYSICAL ACTIVITIES (PA)						teacher's aide			
V	C	H	B	L	S	teacher's assistant			
3	0	2	3	1	2				
ENVIRONMENTAL CONDITIONS (EC)									
L1, L3									
EDUCATION/TRAINING									
3, 4, 5, 6									

Descriptor Profile

Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning, verbal, and numerical ability** to help students with lessons, assist in school libraries and offices, and perform other duties assigned by school principals; may assist with marking tests and worksheets
- **Finger and manual dexterity** to operate office equipment such as photocopiers, fax machines and computers, and to operate, or assist teachers in the operation of audio-visual equipment

- **Social interest** in **assisting** special-needs students such as those with mental and physical disabilities with mobility, communication and personal hygiene
- **Methodical interest** in **copying** information to work under direct supervision of classroom teachers and other professionals such as special education instructors, psychologists and speech-language pathologists; in assisting with classroom inventory; in using techniques such as sign language, Bliss symbols or Braille; in monitoring and reporting to classroom teacher on student progress; and in monitoring students during recess and noon hour
- **Innovative interest** in **handling** techniques of behaviour modification, personal development and other therapeutic programs; in preparing classroom displays and bulletin boards; in assisting in the preparation of learning materials and environment; and in accompanying and supervising students during activities in school gymnasiums, laboratories, libraries and resource centres, and on field trips

---

### Physical Activities

---

**Vision**  
3 Near and far vision

**Colour Discrimination**  
0 Not relevant

**Hearing**  
2 Verbal interaction

**Body Position**  
3 Sitting, standing, walking

**Limb Co-ordination**  
1 Upper limb co-ordination

**Strength**  
2 Light

---

### Environmental Conditions

---

**Location**  
L1 Regulated inside climate  
L3 Outside

---

### Employment Requirements

---

**Education/Training**  
3, 4, 5, 6

- Completion of secondary school is usually required.
- Completion of a teaching/educational assistant college program, or courses in child-care or in related fields may be required for some positions.
- Teacher assistants who aid students with special needs may require specialized training and experience.

---

### Workplaces/Employers

---

Private and public elementary schools  
Private and public secondary schools  
Special schools  
Treatment centres

---

### Occupational Options

---

Mobility to other occupations related to child and adolescent care is possible with experience.

---

### Similar Occupations Classified Elsewhere

---

*Early Childhood Educators and Assistants (4214)*

*Elementary School and Kindergarten Teachers (4142)*

*Post-Secondary Teaching and Research Assistants (4122)*

## 6474.1 Babysitters

Babysitters care for children on an ongoing and short-term basis at home or in the children's homes.

## Profile Summary

## APTITUDES

G	V	N	S	P	Q	K	F	M
4	4	4	4	4	5	4	4	3

## INTERESTS

SMd

## DATA PEOPLE THINGS (DPT)

577

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
3	0	2	4	1	3

### ENVIRONMENTAL CONDITIONS (EC)

L1, L3

## EDUCATION/TRAINING

 $2+, R$ 

### Examples of Job Titles

babysitter

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- General learning ability to supervise and care for children in the absence of regular caregivers

## Physical Activities

### Vision

- 3 Near and far vision

### Colour Discrimination

- 0 Not relevant

### Hearing

- 2 Verbal interaction

### Body Position

- 4 Other body positions

### Limb Co-ordination

- 1 Upper limb co-ordination

### Strength

- 3 Medium

## Environmental Conditions

### Location

- L1 Regulated inside climate  
L3 Outside

## Employment Requirements

### Education/Training

2+, R

- Completion of secondary school may be required.
- Child-care or household management experience may be required.
- Demonstrated ability to perform work is usually required.
- First aid certification and CPR training may be required.

## Workplaces/Employers

Babysitting agencies

Self-employment

## Occupational Options

There is mobility among occupations in the 6474 group.

## Similar Occupations Classified Elsewhere

Companions and foster parents (in 6471 *Visiting Homemakers, Housekeepers and Related Occupations*)

Day-care workers (in 4214 *Early Childhood Educators and Assistants*)

# 6474.2 Nannies and Live-in Caregivers

Nannies care for children and provide for their health and physical and social development.

## Profile Summary

APTITUDES								
G	V	N	S	P	Q	K	F	M
4	3	4	4	4	5	4	4	3
INTERESTS								
SMd								
DATA PEOPLE THINGS (DPT)								
577								
PHYSICAL ACTIVITIES (PA)								
V	C	H	B	L	S			
3	0	2	4	1	3			
ENVIRONMENTAL CONDITIONS (EC)								
L1, L3								
EDUCATION/TRAINING								
2+, 5+, R								

## Examples of Job Titles

child caregiver – private home  
child-care provider – private home  
live-in caregiver  
nanny

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to acquire and apply knowledge of child-care principles and techniques
- **Verbal ability** to instruct children in personal hygiene and social development
- **Manual dexterity** to bathe, dress and feed infants and children
- **Social interest** in **assisting** to care for children in employers' residences; and to tend to the emotional well-being of children; may reside in employers' homes
- **Methodical interest** in **handling** to prepare and serve meals; to prepare formulas and change diapers for infants; and to perform other housekeeping duties; may be required to keep records of daily activities and health information regarding each child
- **Directive interest** in **copying** employers' instructions to plan and oversee children's activities such as meals and rest periods; to discipline children according to the methods requested by the parent; to take children to and from school and to appointments; to maintain a healthy environment in the home; and in organizing activities such as games and outings to provide amusement and exercise

---

**Physical Activities**

---

**Vision**  
3 Near and far vision

**Colour Discrimination**  
0 Not relevant

**Hearing**  
2 Verbal interaction

**Body Position**  
4 Other body positions

**Limb Co-ordination**  
1 Upper limb co-ordination

**Strength**  
3 Medium

---

**Environmental Conditions**

---

**Location**  
L1 Regulated inside climate  
L3 Outside

---

**Employment Requirements**

---

**Education/Training**  
2+, 5+, R

- Completion of secondary school may be required.
- Nannies and live-in caregivers may require completion of a training program in child care or a related field.
- Child-care or household management experience may be required.
- Demonstrated ability to perform work is usually required.
- First aid certification and CPR training may be required.

---

**Workplaces/Employers**

---

Private households where they may also reside

---

**Occupational Options**

---

There is mobility among occupations in the 6474 group.

---

**Similar Occupations Classified Elsewhere**

---

Companions and foster parents (in 6471 *Visiting Homemakers, Housekeepers and Related Occupations*)

Day-care workers (in 4214 *Early Childhood Educators and Assistants*)



# 6474.3 Parents' Helpers

Parents' helpers assist parents with child-care and household duties.

Profile Summary										Examples of Job Titles									
APTITUDES										parent's helper									
G	V	N	S	P	Q	K	F	M											
4	4	4	4	4	5	4	4	3											
INTERESTS																			
SMo																			
DATA PEOPLE THINGS (DPT)																			
577																			
PHYSICAL ACTIVITIES (PA)																			
V	C	H	B	L	S														
3	0	2	4	1	3														
ENVIRONMENTAL CONDITIONS (EC)																			
L1																			
EDUCATION/TRAINING																			
2+, R																			

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to acquire and apply knowledge of child-care and household management procedures
- **Manual dexterity** to bathe, dress and feed infants and children
- **Social interest** in **assisting** to help parents in child supervision and household management
- **Methodical interest** in **copying** instructions to assist with meal preparation, laundry, washing dishes, running errands and other routine housekeeping duties
- **Objective interest** in **handling** cooking, laundry and other household equipment

## Physical Activities

**Vision**  
3 Near and far vision

**Colour Discrimination**  
0 Not relevant

**Hearing**  
2 Verbal interaction

**Body Position**  
4 Other body positions

**Limb Co-ordination**  
1 Upper limb co-ordination

**Strength**  
3 Medium

## Environmental Conditions

**Location**  
L1 Regulated inside climate

## Employment Requirements

Education/Training  
2+, R

- Completion of secondary school may be required.
- Child-care or household management experience may be required.
- Demonstrated ability to perform work is usually required.
- First aid certification and CPR training may be required.

## Workplaces/Employers

Babysitting agencies  
Private households where they may also reside  
Self-employment

## Occupational Options

There is mobility among occupations in the 6474 group.

## Similar Occupations Classified Elsewhere

Companions and foster parents (in 6471 *Visiting Homemakers, Housekeepers and Related Occupations*)

Day-care workers (in 4214 *Early Childhood Educators and Assistants*)

# 6481.1 Image Consultants

Image consultants advise clients on their personal appearance, speaking style, manners or other behaviours in order to improve personal or business images.

## Profile Summary

APTITUDES								
G	V	N	S	P	Q	K	F	M
3	3	4	4	3	4	4	4	4
INTERESTS								
ISD								
DATA PEOPLE THINGS (DPT)								
358								
PHYSICAL ACTIVITIES (PA)								
V	C	H	B	L	S			
2	1	2	1	0	1			
ENVIRONMENTAL CONDITIONS (EC)								
.1								
EDUCATION/TRAINING								
4								

## Examples of Job Titles

etiquette consultant  
image consultant  
public speaking consultant

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to acquire and apply techniques to help clients improve their personal or business images
- **Verbal ability** to arrange appointments, meet clients, explain services and fees and to provide courses and seminars on business and social etiquette
- **Form perception** to study overall appearance of clients
- **Innovative interest** in compiling information to assist clients in identifying personal-image goals through discussion
- **Social interest** in **persuading** clients by advising them on hair colour, hairstyle, make-up, clothing and accessories; may advise on posture, general appearance and manner
- **Directive interest** in advising clients on personal appearance, speaking style, manners and other behaviours

---

**Physical Activities**

---

**Vision**

- 2 Near vision

---

**Colour Discrimination**

- 1 Relevant

---

**Hearing**

- 2 Verbal interaction

---

**Body Position**

- 1 Sitting

---

**Limb Co-ordination**

- 0 Not relevant

---

**Strength**

- 1 Limited

---

**Environmental Conditions**

---

**Location**

- L1 Regulated inside climate

---

**Employment Requirements**

---

**Education/Training**

4

- Completion of secondary school is usually required.
- Specialized training courses are available for occupations in this group.
- Experience and expertise in fashion, art, modelling or related fields are usually required.

---

**Workplaces/Employers**

---

Beauty salons

Fashion boutiques

Image consulting companies

Modelling schools

Self-employment

---

**Similar Occupations Classified Elsewhere**

---

Cosmeticians and manicurists (in 6482 *Estheticians, Electrologists and Related Occupations*)

*Hairstylists and Barbers* (6271)

Modelling school instructors (in 4216 *Other Instructors*)

# 6481.2 Make-Up Consultants

Make-up consultants advise clients on their personal appearance to improve their personal and business images.

## Profile Summary

APTITUDES									
G	V	N	S	P	Q	K	F	M	
3	3	4	4	3	3	4	3	4	
INTERESTS									
SMd									
DATA PEOPLE THINGS (DPT)									
374									
PHYSICAL ACTIVITIES (PA)									
V	C	H	B	L	S				
2	1	2	1	1	1				
ENVIRONMENTAL CONDITIONS (EC)									
L1									
EDUCATION/TRAINING									
4									

## Examples of Job Titles

make-up consultant

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to understand and use make-up application techniques
- **Verbal ability** to arrange appointments, meet clients and explain services and fees
- **Form perception** to observe detail in skin and facial features
- **Finger dexterity** to apply make-up
- **Social interest** in **assisting** clients by advising on type, colour and application of make-up
- **Methodical interest** in **manipulating** to apply make-up for special occasions such as weddings, parties and photography sessions
- **Directive interest** in **compiling** information to recommend and arrange for manicures, pedicures, silkwraps, facials, massages and other esthetic services

## Physical Activities

### Vision

- 2 Near vision

### Colour Discrimination

- 1 Relevant

### Hearing

- 2 Verbal interaction

### Body Position

- 1 Sitting

### Limb Co-ordination

- 1 Upper limb co-ordination

### Strength

- 1 Limited

## Environmental Conditions

### Location

- L1 Regulated inside climate

## Employment Requirements

### Education/Training

4

- Completion of secondary school is usually required.
- Specialized training courses are available for make-up and skin care consultants.
- Experience and expertise in fashion, art, modelling or related fields are usually required.

## Similar Occupations Classified Elsewhere

Cosmeticians and manicurists (in 6482 *Estheticians, Electrologists and Related Occupations*)

*Hairstylists and Barbers* (6271)

Make-up artists (in 5226 *Other Technical and Co-ordinating Occupations in Motion Pictures Broadcasting and the Performing Arts*)

Modelling school instructors (in 4216 *Other Instructors*)

## Workplaces/Employers

Beauty salons

Fashion boutiques

Image consulting companies

Modelling schools

Self-employment



# 6481.3 Colour Consultants

Colour consultants advise clients on their personal appearance to improve their personal and business image.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
4	3	4	4	4	4	4	4	4

### INTERESTS

SMd

### DATA PEOPLE THINGS (DPT)

378

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	1	2	1	0	1

### ENVIRONMENTAL CONDITIONS (EC)

L1

### EDUCATION/TRAINING

4

## Examples of Job Titles

colour consultant, fashion  
fashion and wardrobe consultant  
wardrobe consultant

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to understand and use techniques related to the selection of colours most becoming to clients' natural body tones
- **Verbal ability** to arrange appointments, meet clients and explain services and fees
- **Social interest** in assisting clients to choose colours for clothing that will complement their appearance; may advise clients on the selection and purchase of clothing, accessories, make-up and other fashion-related items
- **Methodical interest** in compiling information to pick colours that are best suited to the clients' skin tone, hair colour and lip and eye colours
- **Directive interest** in recommending personal colour charts for clients' use in purchasing clothing, accessories and make-up that will complement their appearance

## Physical Activities

### Vision

- 2 Near vision

### Colour Discrimination

- 1 Relevant

### Hearing

- 2 Verbal interaction

### Body Position

- 1 Sitting

### Limb Co-ordination

- 0 Not relevant

### Strength

- 1 Limited

## Environmental Conditions

### Location

- L1 Regulated inside climate

## Employment Requirements

### Education/Training

4

- Completion of secondary school is usually required.
- Specialized training courses are available for colour consultants.
- Experience and expertise in fashion, art, modelling or related fields are usually required.

## Workplaces/Employers

Beauty salons

Fashion boutiques

Image consulting companies

Modelling schools

Self-employment

## Similar Occupations Classified Elsewhere

Cosmeticians and manicurists (in 6482 *Estheticians, Electrologists and Related Occupations*)

*Hairstylists and Barbers* (6271)

Modelling school instructors (in 4216 *Other Instructors*)

# 6481.4 Wedding Consultants

Wedding consultants advise clients on their wedding plans.

Profile Summary									Examples of Job Titles								
APTITUDES									wedding consultant								
G	V	N	S	P	Q	K	F	M									
3	3	3	4	3	3	4	4	4									
INTERESTS																	
SDI																	
DATA PEOPLE THINGS (DPT)																	
358																	
PHYSICAL ACTIVITIES (PA)																	
V	C	H	B	L	S												
2	1	2	1	0	1												
ENVIRONMENTAL CONDITIONS (EC)																	
L1																	
EDUCATION/TRAINING																	
4																	

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to advise clients on all aspects of wedding arrangements and planning
- **Verbal and numerical ability** to arrange appointments, meet clients and explain services and fees
- **Form perception** to study overall appearance of clients and advise on the selection of wedding gowns
- **Clerical perception** to maintain detailed client information and records of wedding plans
- **Social interest** in **persuading** clients by advising them on all aspects of the planning and organization of weddings
- **Directive interest** in recommending choice of wedding gowns, floral arrangements, banquet facilities, wedding invitations and other items related to weddings
- **Innovative interest** in **compiling** information to assist clients with wedding-related plans through discussion

## Physical Activities

### Vision

- 2 Near vision

### Colour Discrimination

- 1 Relevant

### Hearing

- 2 Verbal interaction

### Body Position

- 1 Sitting

### Limb Co-ordination

- 0 Not relevant

### Strength

- 1 Limited

## Environmental Conditions

### Location

- L1 Regulated inside climate

## Employment Requirements

### Education/Training

4

- Completion of secondary school is usually required.
- Specialized training courses are available for this occupation.
- Experience and expertise in fashion, art, modelling or related fields are usually required.

## Workplaces/Employers

Beauty salons

Fashion boutiques

Image consulting companies

Modelling schools

Self-employment

## Similar Occupations Classified Elsewhere

Cosmeticians and manicurists (in 6482 *Estheticians, Electrologists and Related Occupations*)

*Hairstylists and Barbers* (6271)

Modelling school instructors (in 4216 *Other Instructors*)

# 6481.5 Weight Loss Consultants

Weight loss consultants advise clients on their personal appearance and weight-loss goals to improve their personal or business images.

Profile Summary									Examples of Job Titles		
APTITUDES									weight loss consultant		
G	V	N	S	P	Q	K	F	M			
4	3	4	4	4	3	4	4	4			
INTERESTS											
SMD											
DATA PEOPLE THINGS (DPT)											
358											
PHYSICAL ACTIVITIES (PA)											
V	C	H	B	L	S						
2	0	2	1	0	1						
ENVIRONMENTAL CONDITIONS (EC)											
L1											
EDUCATION/TRAINING											
4											

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to understand and apply knowledge of weight-loss regimes and programs
- **Verbal ability** to arrange appointments, meet clients and explain services and fees
  - **Clerical perception** to take accurate weight and body measurements
  - **Social interest** in **persuading** clients by advising them on diet, eating behaviour and exercise
- **Methodical interest** in **compiling** information to assist clients to determine weight-loss goals
  - **Directive interest** in administering commercial weight-loss programs and providing appropriate support services

## Physical Activities

### Vision

2 Near vision

### Colour Discrimination

0 Not relevant

### Hearing

2 Verbal interaction

### Body Position

1 Sitting

### Limb Co-ordination

0 Not relevant

### Strength

1 Limited

## Environmental Conditions

### Location

L1 Regulated inside climate

## Employment Requirements

### Education/Training

4

- Completion of secondary school is usually required.
- Specialized training courses are available for weight loss consultants.
- Experience and expertise in fashion, art, modelling or related fields are usually required.

## Workplaces/Employers

Beauty salons

Fashion boutiques

Image consulting companies

Modelling schools

Self-employment

Weight-loss clinics

## Similar Occupations Classified Elsewhere

Cosmeticians and manicurists (in 6482 *Estheticians, Electrologists and Related Occupations*)

*Hairstylists and Barbers* (6271)

Modelling school instructors (in 4216 *Other Instructors*)



# 6482.1 Estheticians

Estheticians provide facial and body treatments designed to enhance their clients' physical appearance.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	3	4	4	3	4	3	3	3

### INTERESTS

MSO

### DATA PEOPLE THINGS (DPT)

374

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	0	2	4	1	1

### ENVIRONMENTAL CONDITIONS (EC)

L1, D3

### EDUCATION/TRAINING

2, 3, 4, 5, 6, R

## Examples of Job Titles

esthetician

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to understand and use specialized techniques to enhance physical appearance
- **Verbal ability** to communicate with clients
- **Form perception** to assess facial and skin conditions of clients
- **Motor co-ordination** and **finger** and **manual dexterity** to apply specialized products to clients' face and skin
- **Methodical interest** in **compiling** information on clients' facial and skin conditions
- **Social interest** in **serving – assisting** clients by offering facial and other body treatment services
- **Objective interest** in **manipulating** various products and using specialized techniques

## Physical Activities

### Vision

- 2 Near vision

### Colour Discrimination

- 0 Not relevant

### Hearing

- 2 Verbal interaction

### Body Position

- 4 Other body positions

### Limb Co-ordination

- 1 Upper limb co-ordination

### Strength

- 1 Limited

## Environmental Conditions

### Location

- L1 Regulated inside climate

### Discomforts

- D3 Odours

## Employment Requirements

### Education/Training

2, 3, 4, 5, 6, R

- Completion of high school, college or beauty school programs for estheticians is required *or* on-the-job training is provided.

- Estheticians usually require certification from an esthetician's educational or training institution.

- Apprenticeship for estheticians is available in Manitoba and trade certification for this occupation is compulsory in that province.

- A business licence is required for workers in this group who are owners/operators of businesses offering this service.

- Practitioners offering this service are required to adhere to infection control procedures.

## Workplaces/Employers

Beauty salons

Self-employment

## Occupational Options

There is little or no mobility among the different occupations in the 6482 group without additional specialized training.

## Similar Occupations Classified Elsewhere

*Hairstylists and Barbers* (6271)

*Image, Social and Other Personal Consultants* (6481)

Make-up artists (in 5226 *Other Technical and Co-ordinating Occupations in Motion Pictures, Broadcasting and the Performing Arts*)

# 6482.2 Cosmeticians

Cosmeticians provide facial and body treatments designed to enhance their clients' physical appearance.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	3	4	4	3	4	3	2	3

### INTERESTS

MSO

### DATA PEOPLE THINGS (DPT)

374

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	1	2	3	1	1

### ENVIRONMENTAL CONDITIONS (EC)

L1, D3

### EDUCATION/TRAINING

2, 3, 4, 5, 6, R

## Examples of Job Titles

beauty treatment operator  
cosmetician

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to understand and use the techniques of make-up application
- **Form perception** to observe detail in skin and facial features
- **Motor co-ordination** and **finger and manual dexterity** to apply make-up to clients' face and skin
- **Methodical interest** in **compiling** information on clients' facial features and skin conditions
- **Social interest** in **serving – assisting** by advising clients on the use of make-up and other beauty products
- **Objective interest** in **manipulating** various products and using make-up application techniques; may specialize in applying make-up on models or other individuals for special occasions
- **Verbal ability** to communicate with clients

Physical Activities

- Vision
- 2 Near vision
- Colour Discrimination
- 1 Relevant
- Hearing
- 2 Verbal interaction

- Body Position
- 3 Sitting, standing, walking

- Limb Co-ordination
- 1 Upper limb co-ordination

- Strength
- 1 Limited

Environmental Conditions

- Location
- L1 Regulated inside climate

- Discomforts
- D3 Odours

Employment Requirements

- Education/Training
- 2, 3, 4, 5, 6, R
- Completion of high school, college or beauty school programs for cosmeticians is required
- or
- on-the-job training is provided.
- A business licence is required for workers in this group who are owners/operators of businesses offering this service.
- Practitioners offering this service are required to adhere to infection control procedures.

Workplaces/Employers

- Beauty salons
- Cosmetic departments of retail establishments such as pharmacies and department stores
- Self-employment

Occupational Options

There is little or no mobility among the different occupations in the 6482 group without additional specialized training.

Similar Occupations Classified Elsewhere

- Hairstylists and Barbers (6271)
- Image, Social and Other Personal Consultants (6481)
- Make-up artists (in 5226 Other Technical and Co-ordinating Occupations in Motion Pictures, Broadcasting and the Performing Arts)

# 6482.3 Electrologists

Electrologists provide electrolysis treatments to enhance their clients' physical appearance.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	3	4	4	2	4	3	2	3

### INTERESTS

MSO

### DATA PEOPLE THINGS (DPT)

371

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
1	0	2	4	1	1

### ENVIRONMENTAL CONDITIONS (EC)

L1, H3

### EDUCATION/TRAINING

2, 3, 4, 5, 6, R

## Examples of Job Titles

electrologist  
electrolysis technician

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to understand and use the techniques of electrolysis
- **Verbal ability** to communicate with clients
- **Form perception** to remove hairs from follicles using electrolysis or laser treatments
- **Finger and manual dexterity** to use needles and tweezers, to swab skin areas with antiseptic solutions or alcohol, and to press switches and adjust timing and other controls of electrical equipment
- **Methodical interest** in **compiling** information for clients' treatment files
- **Social interest** in **serving – assisting** clients by removing unwanted hair permanently from client's face and body
- **Objective interest** in **precision working** when using needles of specialized electrical hair removal equipment, laser and other equipment

## Physical Activities

### Vision

- 1 Close visual acuity

### Colour Discrimination

- 0 Not relevant

### Hearing

- 2 Verbal interaction

### Body Position

- 4 Other body positions

### Limb Co-ordination

- 1 Upper limb co-ordination

### Strength

- 1 Limited

## Environmental Conditions

### Location

- L1 Regulated inside climate

### Hazards

- H3 Equipment, machinery, tools

## Employment Requirements

### Education/Training

2, 3, 4, 5, 6, R

- Completion of high school, college or beauty school programs for electrologists is required  
*or*  
on-the-job training is provided.
- Electrologists usually require certification from an electrologist's educational or training institution.
- Membership in a provincial or national electrolysis association may be required.
- Completion of a registered dermal therapy program may be required to provide electrolysis laser and vascular treatments.
- Apprenticeship for electrologists is available in Manitoba and trade certification for this occupation is compulsory in that province.
- A business licence is required for workers in this group who are owners/operators of businesses offering this service.
- Practitioners offering this service are required to adhere to infection control procedures.

## Workplaces/Employers

Beauty salons

Electrolysis studios

Self-employment

## Occupational Options

There is little or no mobility among the different occupations in the 6482 group without additional specialized training.

## Similar Occupations Classified Elsewhere

*Hairstylists and Barbers* (6271)

*Image, Social and Other Personal Consultants* (6481)

Make-up artists (in 5226 *Other Technical and Co-ordinating Occupations in Motion Pictures, Broadcasting and the Performing Arts*)



# 6482.4 Manicurists and Pedicurists

Manicurists and pedicurists provide treatment to hands and feet to enhance their clients' physical appearance.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
4	4	5	4	3	5	3	3	3

### INTERESTS

MSO

### DATA PEOPLE THINGS (DPT)

674

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	1	2	1	1	1

### ENVIRONMENTAL CONDITIONS (EC)

L1, D3

### EDUCATION/TRAINING

2, 3, 4, 5, 6, R

## Examples of Job Titles

manicurist

pedicurist

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to acquire and apply manicuring and pedicuring techniques
- **Form perception** to determine nail and cuticle condition
- **Motor co-ordination** to shape and smooth ends of fingernails and toenails
- **Finger dexterity** to use cuticle knives, scissors, files, emery boards and nail polish brushes
- **Manual dexterity** to clean and polish fingernails and toenails
- **Methodical interest** in **comparing** to clean, shape and polish fingernails and toenails and provide related treatments
- **Social interest** in **serving – assisting** clients by providing treatments to hands and feet designed to enhance physical appearance
- **Objective interest** in **manipulating** and applying various specialized products

## Physical Activities

<b>Vision</b>	
2	Near vision
<b>Colour Discrimination</b>	
1	Relevant
<b>Hearing</b>	
2	Verbal interaction

<b>Body Position</b>	
1	Sitting

<b>Limb Co-ordination</b>	
1	Upper limb co-ordination

<b>Strength</b>	
1	Limited

## Environmental Conditions

<b>Location</b>	
L1	Regulated inside climate

<b>Discomforts</b>	
D3	Odours

## Employment Requirements

Education/Training  
2, 3, 4, 5, 6, R

- Completion of high school, college or beauty school programs for manicurists and pedicurists is required *or* on-the-job training is provided.
- Apprenticeship for nail technicians is available in Manitoba and trade certification for this occupation is compulsory in that province.
- A business licence is required for workers in this group who are owners/operators of businesses offering this service.
- Practitioners offering this service are required to adhere to infection control procedures.

## Workplaces/Employers

Beauty salons  
Self-employment

## Occupational Options

There is little or no mobility among the different occupations in the 6482 group without additional specialized training.

## Similar Occupations Classified Elsewhere

*Hairstylists and Barbers* (6271)

*Image, Social and Other Personal Consultants* (6481)

Make-up artists (in 5226 *Other Technical and Co-ordinating Occupations in Motion Pictures, Broadcasting and the Performing Arts*)

# 6482.5 Scalp Treatment Specialists

Scalp treatment specialists provide scalp treatments to enhance their clients' physical appearance.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	3	4	4	3	4	3	3	3

### INTERESTS

MOS

### DATA PEOPLE THINGS (DPT)

574

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	1	2	2	1	1

### ENVIRONMENTAL CONDITIONS (EC)

L1, D3

### EDUCATION/TRAINING

2, 3, 4, 5, 6, R

## Examples of Job Titles

scalp treatment specialist

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to understand and use specialized techniques for scalp treatment
- **Verbal ability** to communicate with clients
- **Form perception** to assess scalp conditions
- **Finger and manual dexterity** to massage, shampoo and steam hair and scalp of clients
- **Methodical interest in copying** information to maintain clients' treatment records
- **Objective interest in operating – manipulating** specialized equipment; and in using hands to apply medications and massage scalps
- **Social interest in serving – assisting** clients by applying medicated lotions to treat scalp conditions and hair loss

Physical Activities

- Vision  
2 Near vision
- Colour Discrimination  
1 Relevant
- Hearing  
2 Verbal interaction

- Body Position  
2 Standing and/or walking

- Limb Co-ordination  
1 Upper limb co-ordination

- Strength  
1 Limited

Environmental Conditions

- Location  
L1 Regulated inside climate

- Discomforts  
D3 Odours

Employment Requirements

- Education/Training  
2, 3, 4, 5, 6, R
- Completion of high school, college or a beauty school program is required or on-the-job training is provided.
  - A business licence is required for workers in this group who are owners/operators of businesses offering this service.
  - Practitioners offering this service are required to adhere to infection control procedures.

Workplaces/Employers

- Beauty salons
- Hair replacement clinics
- Scalp treatment clinics
- Self-employment

Occupational Options

There is little or no mobility among the different occupations in the 6482 group without additional specialized training.

Similar Occupations Classified Elsewhere

- Hairstylists and Barbers (6271)*
- Image, Social and Other Personal Consultants (6481)*
- Make-up artists (in 5226 *Other Technical and Co-ordinating Occupations in Motion Pictures, Broadcasting and the Performing Arts*)

# 6482.6 Tattoo Artists

Tattoo artists provide tattoos to enhance their clients' physical appearance.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
4	4	4	3	3	4	3	2	3

### INTERESTS

MOd

### DATA PEOPLE THINGS (DPT)

571

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
1	1	2	4	1	1

### ENVIRONMENTAL CONDITIONS (EC)

L1, H3, D3

### EDUCATION/TRAINING

2, 3, 4, 5, 6, R

## Examples of Job Titles

tattoo artist

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to understand and apply the techniques of tattooing
- **Form perception** to perceive pertinent detail when applying tattoo designs
- **Motor co-ordination** and **finger dexterity** to draw and cut out original designs to form patterns and stencils
- **Manual dexterity** to prepare skin to be tattooed by shaving and washing with germicidal solutions and applying protective creams to sterile areas
- **Methodical interest** in **copying** information to mark outlines of designs on customers' skin
- **Objective interest** in **precision working** to apply permanent designs to customers' skin using electric needles and chemical dyes; may also apply temporary designs to customers' skin
- **Directive interest** in **serving – assisting** customers by providing tattooing services and recommending designs

## Physical Activities

### Vision

- 1 Close visual acuity

### Colour Discrimination

- 1 Relevant

### Hearing

- 2 Verbal interaction

### Body Position

- 4 Other body positions

### Limb Co-ordination

- 1 Upper limb co-ordination

### Strength

- 1 Limited

## Environmental Conditions

### Location

- L1 Regulated inside climate

### Hazards

- H3 Equipment, machinery, tools

### Discomforts

- D3 Odours

## Employment Requirements

### Education/Training

2, 3, 4, 5, 6, R

- Completion of high school, college or a beauty school program is required  
*or*  
on-the-job training is provided.
- A business licence is required for workers in this group who are owners/operators of businesses offering this service.
- Practitioners offering this service are required to adhere to infection control procedures.

## Workplaces/Employers

Self-employment

Tattoo studios

## Occupational Options

There is little or no mobility among the different occupations in the 6482 group without additional specialized training.

## Similar Occupations Classified Elsewhere

*Hairstylists and Barbers* (6271)

*Image, Social and Other Personal Consultants* (6481)

Make-up artists (in 5226 *Other Technical and Co-ordinating Occupations in Motion Pictures, Broadcasting and the Performing Arts*)



# 6482.7 Hair Replacement Technicians (Non-Medical)

Hair replacement technicians (non-medical) prepare and apply custom made hair pieces to customers' scalp, weave customers' hair to hair pieces and provide scalp treatments.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	3	4	4	3	4	3	2	3

### INTERESTS

MOS

### DATA PEOPLE THINGS (DPT)

374

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	1	2	3	1	1

### ENVIRONMENTAL CONDITIONS (EC)

L1, D3

### EDUCATION/TRAINING

2, 3, 4, 5, 6, R

## Examples of Job Titles

hair replacement technician

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to understand and use specialized hair replacement techniques
- **Verbal ability** to communicate with clients

- **Form perception** to observe details of hair style and analyze hair type; and to assess scalp conditions
- **Motor co-ordination** and **finger and manual dexterity** to apply hair pieces and extensions; and to weave clients' hair to hair pieces
- **Methodical interest** in **compiling** information on clients' hair type and colour; and in determining clients' specific hair replacement needs

- **Social interest** in **serving – assisting** clients by applying hair pieces to the scalp and performing related hair replacement procedures; and by applying medicated lotions to treat scalp conditions and hair loss
- **Objective interest** in **manipulating** to perform custom hair replacement procedures

## Physical Activities

### Vision

- 2 Near vision

### Colour Discrimination

- 1 Relevant

### Hearing

- 2 Verbal interaction

### Body Position

- 3 Sitting, standing, walking

### Limb Co-ordination

- 1 Upper limb co-ordination

### Strength

- 1 Limited

## Environmental Conditions

### Location

- L1 Regulated inside climate

### Discomforts

- D3 Odours

## Employment Requirements

### Education/Training

- 2, 3, 4, 5, 6, R

- Completion of high school, college or a beauty school program is required *or* on-the-job training is provided.
- A business licence is required for workers in this group who are owners/operators of businesses offering this service.
- Practitioners offering this service are required to adhere to infection control procedures.

## Workplaces/Employers

Hair replacement clinics

Self-employment

## Occupational Options

There is little or no mobility among the different occupations in the 6482 group without additional specialized training.

## Similar Occupations Classified Elsewhere

*Hairstylists and Barbers* (6271)

*Image, Social and Other Personal Consultants* (6481)

Make-up artists (in 5226 *Other Technical and Co-ordinating Occupations in Motion Pictures, Broadcasting and the Performing Arts*)

# 6483    Pet Groomers and Animal Care Workers

Animal care workers feed, handle, train and groom animals and assist veterinarians, animal health technologists and technicians, and animal breeders. Pet groomers clip coat, bathe and otherwise groom pets.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
4	4	4	4	4	4	3	3	3

### INTERESTS

MOD

### DATA PEOPLE THINGS (DPT)

677

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	0	1	4	1	2

### ENVIRONMENTAL CONDITIONS (EC)

L1, L3, H2, D3, D4

### EDUCATION/TRAINING

4

## Examples of Job Titles

animal care worker – except farm  
dog groomer  
dog trainer  
kennel attendant  
laboratory animal attendant  
pet groomer  
pound attendant  
veterinary attendant  
zoo attendant

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to understand and apply techniques required to feed, handle, train and groom animals

- **Motor co-ordination** and **finger dexterity** to assist veterinarians and animal health technologists and technicians to inoculate and treat animals
- **Manual dexterity** to clean and disinfect cages, pens and surrounding areas; and to shampoo, clip and groom animals
- **Methodical interest** in **comparing** information to monitor and document animal behaviour, and to prepare food and feed animals, fish and birds at scheduled intervals
- **Objective interest** in **assisting** scientists and researchers in conducting laboratory tests with animals; and in using equipment for grooming animals
- **Directive interest** in **handling** and nurturing animals when grooming and when assisting breeders; and in training dogs to obey commands and perform specific duties in response to signals

## Physical Activities

### Vision

- 2 Near vision

### Colour Discrimination

- 0 Not relevant

### Hearing

- 1 Limited

### Body Position

- 4 Other body positions

### Limb Co-ordination

- 1 Upper limb co-ordination

### Strength

- 2 Light

## Environmental Conditions

### Location

- L1 Regulated inside climate  
L3 Outside

### Hazards

- H2 Biological agents

### Discomforts

- D3 Odours  
D4 Non-toxic dusts

## Employment Requirements

### Education/Training

4

- Completion of secondary school is usually required.
- Depending on the type of work performed, training courses in animal handling, grooming or dog training are usually required. Animal health or veterinary assistant college courses may be required for animal care workers.

## Workplaces/Employers

Animal clinics  
Animal hospitals  
Animal shelters  
Breeding and boarding kennels  
Dog training schools  
Laboratories  
Pet grooming establishments  
Retail pet shops  
Self-employment  
Zoos

## Occupational Options

Progression to animal health technology occupations is possible with additional training.

## Similar Occupations Classified Elsewhere

Animal nutritionists (in 2121 *Biologists and Related Scientists*)

Horse trainers (in 8253 *Farm Supervisors and Specialized Livestock Workers*)

Horseshoers (in 7383 *Other Trades and Related Occupations*)

Marine mammal trainers (in 2121 *Biologists and Related Scientists*)

Sheep shearers (in 8431 *General Farm Workers*)

*Veterinary and Animal Health Technologists and Technicians* (3213)

# 6484.1 Astrologers

Astrologers provide astrological services.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	3	3	3	4	3	4	4	4

### INTERESTS

ISD

### DATA PEOPLE THINGS (DPT)

358

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	0	2	1	0	1

### ENVIRONMENTAL CONDITIONS (EC)

L1

### EDUCATION/TRAINING

2

## Examples of Job Titles

astrologer

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to understand principles and apply techniques of astrology
- **Verbal ability** to communicate with clients and the general public; may prepare general forecasts for regular publications
- **Numerical ability** and **spatial** and **clerical perception** to chart horoscopes showing the relative positions of planets and stars to each other and to signs of the zodiac at specified times and places
- **Innovative interest** in **compiling** information to interpret stellar and planetary positions on horoscopes
- **Social interest** in predicting future events and trends for clients and the general public
- **Directive interest** in **persuading** clients by recommending favourable dates for pursuit of particular objectives

**Physical Activities**

- Vision**  
2 Near vision
- Colour Discrimination**  
0 Not relevant
- Hearing**  
2 Verbal interaction
- Body Position**  
1 Sitting
- Limb Co-ordination**  
0 Not relevant
- Strength**  
1 Limited

**Environmental Conditions**

- Location**  
L1 Regulated inside climate

**Employment Requirements**

- Education/Training  
2
- A period of training under the guidance of a practitioner is usually required.

**Workplaces/Employers**

- Call centres
- Self-employment

# 6484.2 Psychic Consultants

Pyshic consultants provide psychic consulting services.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	3	4	4	3	4	4	4	4

### INTERESTS

ISD

### DATA PEOPLE THINGS (DPT)

358

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	0	2	1	0	1

### ENVIRONMENTAL CONDITIONS (EC)

L1

### EDUCATION/TRAINING

2

## Examples of Job Titles

fortune teller  
psychic consultant  
psychic reader

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to understand principles and apply techniques of psychic consulting
- **Verbal ability** to communicate psychic information to clients
- **Innovative interest in compiling** information to interpret psychic phenomena as it relates to clients' personal readings
- **Social interest** in providing personal advice to clients
- **Directive interest in persuading** clients by recommending certain courses of action to follow based on various schools of thought



---

## Physical Activities

---

### Vision

2 Near vision

---

### Colour Discrimination

0 Not relevant

---

### Hearing

2 Verbal interaction

---

### Body Position

1 Sitting

---

### Limb Co-ordination

0 Not relevant

---

### Strength

1 Limited

---

## Environmental Conditions

---

### Location

L1 Regulated inside climate

---

## Employment Requirements

---

### Education/Training

2

- A period of training under the guidance of a practitioner is usually required.

---

## Workplaces/Employers

---

Call centres

Self-employment

# 6484.3 Other Service Providers

Other service providers included in this group offer a variety of personal services not elsewhere classified.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	3	4	4	4	4	4	4	4

### INTERESTS

SMD

### DATA PEOPLE THINGS (DPT)

378

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	0	2	1	0	1

### ENVIRONMENTAL CONDITIONS (EC)

L1

### EDUCATION/TRAINING

2

## Examples of Job Titles

chat line agent  
dating service consultant

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to acquire and apply knowledge of techniques required to provide a variety of personal services
- **Verbal ability** to communicate with clients
- **Social interest in serving – assisting** clients of dating and other personal services establishments
- **Methodical interest in compiling** information to provide services that are best suited to the clients' personal needs
- **Directive interest** in arranging client matches; and in providing advice related to a wide variety of personal services

---

## Physical Activities

---

### Vision

2 Near vision

---

### Colour Discrimination

0 Not relevant

---

### Hearing

2 Verbal interaction

---

### Body Position

1 Sitting

---

### Limb Co-ordination

0 Not relevant

---

### Strength

1 Limited

---

## Environmental Conditions

---

### Location

L1 Regulated inside climate

---

## Employment Requirements

---

### Education/Training

2

- A period of training is usually required.

---

## Workplaces/Employers

---

Call centres

Personal services establishments

Self-employment

# 6611 Cashiers

Cashiers operate cash registers, optical price scanners, computers or other equipment to record and accept payment for the purchase of goods, services and admissions.

## Profile Summary

APTITUDES								
G	V	N	S	P	Q	K	F	M
4	4	3	4	4	3	3	3	4
INTERESTS								
MOs								
DATA PEOPLE THINGS (DPT)								
664								
PHYSICAL ACTIVITIES (PA)								
V	C	H	B	L	S			
2	0	2	3	1	2			
ENVIRONMENTAL CONDITIONS (EC)								
L1								
EDUCATION/TRAINING								
2, R								

## Examples of Job Titles

box office cashier  
cafeteria cashier  
grocery store cashier  
office cashier  
racetrack cashier  
self-serve gas bar cashier  
theatre cashier

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning and numerical ability** to establish or identify price of goods, services and admissions, and to receive payment by cash, cheques, credit cards and automatic debits
- **Clerical perception** to observe and correct errors and omissions in statements and accounts
- **Motor co-ordination and finger dexterity** to use electronic or other cash registers, optical price scanners and other equipment
- **Methodical interest in comparing** to calculate total payments received at the end of the work shift and reconcile with total sales
- **Objective interest in manipulating – operating** to wrap and place merchandise in bags, and to tabulate bills using calculators, cash registers and optical price scanners; may stock shelves and clean check-out counter area
- **Social interest in speaking** with customers to provide information; may accept reservations and take-out orders

**Physical Activities**

**Vision**

- 2 Near vision

**Colour Discrimination**

- 0 Not relevant

**Hearing**

- 2 Verbal interaction

**Body Position**

- 3 Sitting, standing, walking

**Limb Co-ordination**

- 1 Upper limb co-ordination

**Strength**

- 2 Light

**Environmental Conditions**

**Location**

- L1 Regulated inside climate

**Employment Requirements**

**Education/Training**

- 2, R

- Some secondary school education is usually required.
- Eligibility for bonding may be required.
- A casino gaming licence may be required for cashiers working in gambling casinos.

**Workplaces/Employers**

Business offices  
Casinos  
Establishments that charge admission  
Restaurants  
Retail and wholesale establishments  
Stores  
Theatres

**Occupational Options**

Cashiers may progress to supervisory positions, such as head cashier, with additional training or experience.

**Similar Occupations Classified Elsewhere**

Head cashiers (in 6211 *Retail Trade Supervisors*)

*Retail Salespersons and Sales Clerks* (6421)

*Service Station Attendants* (6621)

*Tellers – Financial Services* (1433)

# 6621.1 Automotive Service Station Attendants

Automotive service station attendants sell fuel and other automotive products, and perform such services as fuelling, cleaning, lubricating and performing minor repairs to motor vehicles.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
4	4	4	4	4	4	4	4	3

### INTERESTS

MOs

### DATA PEOPLE THINGS (DPT)

674

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
3	0	2	2	1	2

### ENVIRONMENTAL CONDITIONS (EC)

L1, L3, H1, D3

### EDUCATION/TRAINING

2, R

## Examples of Job Titles

gas station attendant (except self-serve)  
service station attendant

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to understand and apply simple motor-vehicle servicing instructions
- **Numerical ability** to receive payment from customers
- **Manual dexterity** to perform minor automotive service and maintenance
- **Methodical interest** in **comparing** information to check oil levels, tire pressures and fluid levels
- **Objective interest** in **operating – manipulating** to refuel vehicles and replace parts such as tires, light bulbs, and windshield wiper blades; and in performing minor property maintenance duties such as sweeping service station lot, trimming shrubs, scrubbing service bays and painting curbs
- **Social interest** in **serving** customers by performing minor repairs and maintenance work on motor vehicles, operating car wash facility and by selling fuel and other automotive products; may pick up and deliver customers' cars for service station automotive repair department

---

**Physical Activities**

---

**Vision**

- 3 Near and far vision

**Colour Discrimination**

- 0 Not relevant

**Hearing**

- 2 Verbal interaction

**Body Position**

- 2 Standing and/or walking

**Limb Co-ordination**

- 1 Upper limb co-ordination

**Strength**

- 2 Light

---

**Environmental Conditions**

---

**Location**

- L1 Regulated inside climate
- L3 Outside

**Hazards**

- H1 Dangerous chemical substances

**Discomforts**

- D3 Odours

---

**Employment Requirements**

---

**Education/Training**

- 2, R

- Some secondary school education is usually required.

- Propane and natural gas pump attendants may require an operator's licence.

---

**Workplaces/Employers**

---

Automotive service stations

---

**Similar Occupations Classified Elsewhere**

---

Auto technicians (in 7321 *Automotive Service Technicians, Truck Mechanics and Mechanical Repairers*)

Self-serve gas bar cashiers (in 6611 *Cashiers*)

Service station managers (in 0621 *Retail Trade Managers*)

Service station supervisors (in 6211 *Retail Trade Supervisors*)



# 6621.2 Marina Service Station Attendants

Marina service station attendants sell fuel, rent boats and related equipment, and maintain marina facilities.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
4	4	4	4	4	4	4	4	3

### INTERESTS

MOs

### DATA PEOPLE THINGS (DPT)

674

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
3	0	2	4	1	2

### ENVIRONMENTAL CONDITIONS (EC)

L1, L3, H1, D3

### EDUCATION/TRAINING

2, R

## Examples of Job Titles

marina attendant  
service station attendant

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to understand and apply simple boat-servicing instructions
- **Numerical ability** to receive payments from customers
- **Manual dexterity** to maintain dock areas and marina facilities, and to assist in seasonal moving of ramps and docks
- **Objective interest in operating – manipulating** to refuel boats and pump marine septic systems
- **Social interest in serving** customers by performing routine maintenance work on boats and by renting boats, life jackets and other equipment
- **Methodical interest in comparing** information to check oil levels and to record rental data

## Physical Activities

**Vision**  
3 Near and far vision

**Colour Discrimination**  
0 Not relevant

**Hearing**  
2 Verbal interaction

**Body Position**  
4 Other body positions

**Limb Co-ordination**  
1 Upper limb co-ordination

**Strength**  
2 Light

## Environmental Conditions

**Location**  
L1 Regulated inside climate  
L3 Outside

**Hazards**  
H1 Dangerous chemical substances

**Discomforts**  
D3 Odours

## Employment Requirements

Education/Training  
2, R

- Some secondary school education is usually required.
- Propane and natural gas pump attendants may require an operator's licence.

## Workplaces/Employers

Marinas

## Similar Occupations Classified Elsewhere

Auto technicians (in 7321 *Automotive Service Technicians, Truck Mechanics and Mechanical Repairers*)

Self-serve gas bar cashiers (in 6611 *Cashiers*)

Service station managers (in 0621 *Retail Trade Managers*)

Service station supervisors (in 6211 *Retail Trade Supervisors*)

# 6622 Grocery Clerks and Store Shelf Stockers

Grocery clerks and store shelf stockers pack customers' purchases, price items, stock shelves with merchandise and fill mail and telephone orders.

## Profile Summary

APTITUDES								
G	V	N	S	P	Q	K	F	M
4	4	4	4	4	4	3	4	3
INTERESTS								
Mso								
DATA PEOPLE THINGS (DPT)								
677								
PHYSICAL ACTIVITIES (PA)								
V	C	H	B	L	S			
3	0	1	4	1	3			
ENVIRONMENTAL CONDITIONS (EC)								
L1, L2*, L3*								
EDUCATION/TRAINING								
2								

## Examples of Job Titles

bag clerk  
grocery clerk  
grocery packer  
order filler  
price clerk – retail  
produce clerk  
shelf stocker – retail  
supermarket clerk

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to pack customers' purchases, price items, stock shelves and fill orders for shipment and delivery
- **Motor co-ordination and manual dexterity** to price items using stamps and stickers; to unpack products received by store; to attach protective devices on products to protect against shoplifting; to bag, box and parcel purchases for customers and for delivery to customers; and to carry customers' purchases to parking lots and pack in vehicles
- **Methodical interest** in comparing to check, count, weigh and sort items received by store; to use optical scanning equipment to record incoming stock, verify pricing and maintain a computerized stock inventory; to price merchandise according to price lists; to fill mail orders from warehouse stock; and to obtain articles for customers from shelves and stockrooms
- **Social interest** in serving – **assisting** by directing customers to the location of articles
- **Objective interest** in handling merchandise to stock shelves and display areas, and to keep stock clean and in order; may sweep aisles, dust display racks and perform other general cleaning duties; may operate cash register and computer for electronic commerce transactions

# A Synopsis of Descriptors and Labels

## APTITUDES

One of five levels assigned for each factor, with levels representing normal curve distribution of the labour force:

<b>G</b> General Learning Ability	<b>Q</b> Clerical Perception
<b>V</b> Verbal Ability	<b>K</b> Motor Co-ordination
<b>N</b> Numerical Ability	<b>F</b> Finger Dexterity
<b>S</b> Spatial Perception	<b>M</b> Manual Dexterity
<b>P</b> Form Perception	

## INTERESTS

Three of five descriptive factors, assigned in order of predominance and lower case rating indicating weaker representation:

<b>D</b> Directive
<b>I</b> Innovative
<b>M</b> Methodical
<b>O</b> Objective
<b>S</b> Social

## DATA/INFORMATION, PEOPLE, THINGS

### D – Data/Information

- 0 Synthesizing
- 1 Co-ordinating
- 2 Analyzing
- 3 Compiling
- 4 Computing
- 5 Copying
- 6 Comparing
- 7 —
- 8 Not significant

### P – People

- 0 Mentoring
- 1 Negotiating
- 2 Instructing – Consulting
- 3 Supervising
- 4 Diverting
- 5 Persuading
- 6 Speaking – Signalling
- 7 Serving – Assisting
- 8 Not significant

### T – Things

- 0 Setting up
- 1 Precision working
- 2 Controlling
- 3 Driving – Operating
- 4 Operating – Manipulating
- 5 Tending
- 6 Feeding – Offbearing
- 7 Handling
- 8 Not significant

## PHYSICAL ACTIVITIES

One of several levels assigned for each factor:

### Vision

- 1 Close visual acuity
- 2 Near vision
- 3 Near and far vision
- 4 Total visual field

### Hearing

- 1 Limited
- 2 Verbal interaction
- 3 Other sound discrimination

### Limb Co-ordination

- 0 Not relevant
- 1 Upper limb co-ordination
- 2 Multiple limb co-ordination

### Colour Discrimination

- 0 Not relevant
- 1 Relevant

### Body Position

- 1 Sitting
- 2 Standing and/or walking
- 3 Sitting, standing, walking
- 4 Other body positions

### Strength

- 1 Limited
- 2 Light
- 3 Medium
- 4 Heavy

## ENVIRONMENTAL CONDITIONS

### Location

- L1 Regulated inside climate
- L2 Unregulated inside climate
- L3 Outside
- L4 In a vehicle or cab

### Hazards

- H1 Dangerous chemical substances
- H2 Biological agents
- H3 Equipment, machinery, tools
- H4 Electricity
- H5 Radiation
- H6 Flying particles, falling objects
- H7 Fire, steam, hot surfaces
- H8 Dangerous locations

### Discomforts

- D1 Noise
- D2 Vibration
- D3 Odours
- D4 Non-toxic dusts
- D5 Wetness

## EMPLOYMENT REQUIREMENTS

### Education/Training Indicators

- |  |  |   |
|--|--|---|
| 1 No formal education or training requirements   | 5 Apprenticeship, specialized training, vocational school training | + Indicating an additional requirement beyond education/training (e.g., extensive experience, demonstrated or creative ability, appointments, etc.) |
| 2 Some high school education and/or on-the-job training or experience                        | 6 College, technical school (certificate, diploma)                 |   |
| 3 Completion of high school  | 7 Undergraduate degree   | R Regulated requirements exist for this group   |
| 4 Completion of course work, training, workshops and/or experience related to the occupation | 8 Post-graduate or professional degree                             |   |



---

**Physical Activities**


---

**Vision**

- 3 Near and far vision

**Colour Discrimination**

- 0 Not relevant

**Hearing**

- 1 Limited

**Body Position**

- 4 Other body positions

**Limb Co-ordination**

- 1 Upper limb co-ordination

**Strength**

- 3 Medium

---

**Environmental Conditions**


---

**Location**

- L1 Regulated inside climate  
L2\* Unregulated inside climate  
L3\* Outside

---

**Employment Requirements**


---

**Education/Training**

2

- Some secondary school education is usually required.

---

**Workplaces/Employers**


---

Department stores

Grocery stores

Hardware stores

Warehouses

---

**Similar Occupations Classified Elsewhere**


---

*Cashiers (6611)*

Comparison shopper (in 6623 *Other Elemental Sales Occupations*)

Meat counter clerk (in 6421 *Retail Salespersons and Sales Clerks*)

Stock handler (in 7452 *Material Handlers*)

Supervisor, stock clerks (in 6211 *Retail Trade Supervisors*)

---

**Remarks**


---

\*Environmental Conditions

- For some occupations in this group, Location L2 (Unregulated inside climate) and L3 (Outside) may also apply.

# 6623.1 Direct Distributors

Direct distributors contact potential customers by phone or through personal contacts, and demonstrate and sell products directly to individual customers or at sales parties.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
4	3	4	4	4	4	4	4	4

### INTERESTS

MSd

### DATA PEOPLE THINGS (DPT)

557

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	0	2	3	1	2

### ENVIRONMENTAL CONDITIONS (EC)

L1

### EDUCATION/TRAINING

2, 3

## Examples of Job Titles

canvasser – retail  
direct distributor – retail

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to acquire and apply knowledge of selling techniques, and to become familiar with products
- **Verbal ability** to communicate with customers when describing products
- **Methodical interest in copying** information to present sample products and catalogues, and to explain desirable qualities of products
- **Social interest in persuading** customers by soliciting sales of goods and services directly to individuals or at sales parties
- **Directive interest in handling** merchandise to canvass prospective customers; may develop lists of prospective customers or follow leads supplied by management, and may distribute advertising literature and provide samples



---

## Physical Activities

---

### Vision

- 2 Near vision

---

### Colour Discrimination

- 0 Not relevant

---

### Hearing

- 2 Verbal interaction

---

### Body Position

- 3 Sitting, standing, walking

---

### Limb Co-ordination

- 1 Upper limb co-ordination

---

### Strength

- 2 Light

---

## Environmental Conditions

---

### Location

- L1 Regulated inside climate

---

## Employment Requirements

---

### Education/Training

- 2, 3

- Some secondary school education is usually required. High school graduation may be required by some employers.

---

## Workplaces/Employers

---

Retail establishments

Self-employment

Wholesale establishments

---

## Occupational Options

---

Progression to related supervisory positions is possible with additional training or experience.

---

## Similar Occupations Classified Elsewhere

---

*Cashiers* (6611)

Kiosk sales clerks (in 6421 *Retail Salespersons and Sales Clerks*)

*Retail Trade Managers* (0621)

*Retail Trade Supervisors* (6211)

# 6623.2 Door-to-Door Salespersons

Door-to-door salespersons solicit sales and sell merchandise to residents of private homes.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
4	3	4	4	4	4	4	4	4

### INTERESTS

MSd

### DATA PEOPLE THINGS (DPT)

557

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	0	2	3	1	2

### ENVIRONMENTAL CONDITIONS (EC)

L1, L3

### EDUCATION/TRAINING

2, 3, R

## Examples of Job Titles

door-to-door salesperson

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to acquire and apply knowledge of selling techniques, and to become familiar with products
- **Verbal ability** to communicate with customers when describing products
- **Methodical interest** in **copying** information to present sample products and catalogues, and to explain desirable qualities of products
- **Social interest** in **persuading** customers by soliciting sales of goods and services in private homes
- **Directive interest** in **handling** merchandise to canvass prospective customers; may develop lists of prospective customers or follow leads supplied by management, and may distribute advertising literature and provide samples

## Physical Activities

### Vision

- 2 Near vision

### Colour Discrimination

- 0 Not relevant

### Hearing

- 2 Verbal interaction

### Body Position

- 3 Sitting, standing, walking

### Limb Co-ordination

- 1 Upper limb co-ordination

### Strength

- 2 Light

## Environmental Conditions

### Location

- L1 Regulated inside climate
- L3 Outside

## Employment Requirements

Education/Training  
2, 3, R

- Some secondary school education is usually required. High school graduation may be required by some employers.
- Self-employed door-to-door salespersons may require a municipal merchant's permit.

## Workplaces/Employers

Retail establishments  
Self-employment  
Wholesale establishments

## Occupational Options

Progression to related supervisory positions is possible with additional training or experience.

## Similar Occupations Classified Elsewhere

*Cashiers* (6611)

Kiosk sales clerks (in 6421 *Retail Salespersons and Sales Clerks*)

*Retail Trade Managers* (0621)

*Retail Trade Supervisors* (6211)

# 6623.3 Street Vendors

Street vendors sell goods and services by street vending from street-corner carts or kiosks, at arenas, shopping malls and stadiums.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
4	4	4	4	4	4	4	4	4

### INTERESTS

MSd

### DATA PEOPLE THINGS (DPT)

657

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	0	2	2	1	2

### ENVIRONMENTAL CONDITIONS (EC)

L1, L3

### EDUCATION/TRAINING

2, 3, R

## Examples of Job Titles

street vendor

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to acquire and apply knowledge of selling techniques, and to become familiar with products
- **Verbal ability** to communicate with customers when describing products
- **Numerical ability** to receive payments and make change
- **Methodical interest in comparing** information to explain products' desirable qualities, and set up and display merchandise on sidewalks and at public events
- **Social interest in persuading** customers by selling products
- **Directive interest in handling** products by loading goods into baskets, pushcarts and trucks, and by handing goods to customers

Physical Activities

- Vision
- 2Near vision
- Colour Discrimination
- 0Not relevant
- Hearing
- 2Verbal interaction

- Body Position
- 2Standing and/or walking

- Limb Co-ordination
- 1Upper limb co-ordination

- Strength
- 2Light

Environmental Conditions

- Location
- L1Regulated inside climate
- L3Outside

Employment Requirements

- Education/Training
- 2, 3, R
- Some secondary school education is usually required. High school graduation may be required by some employers.
- Self-employed street vendors may require a municipal merchant's permit.

Workplaces/Employers

- Retail establishments
- Self-employment
- Wholesale establishments

Occupational Options

Progression to related supervisory positions is possible with additional training or experience.

Similar Occupations Classified Elsewhere

- Cashiers (6611)
- Kiosk sales clerks (in 6421 *Retail Salespersons and Sales Clerks*)
- Retail Trade Managers (0621)
- Retail Trade Supervisors (6211)

# 6623.4 Telephone Solicitors and Telemarketers

Telephone solicitors and telemarketers sell goods and services by telephone.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
4	3	4	5	4	4	4	4	4

### INTERESTS

Msd

### DATA PEOPLE THINGS (DPT)

658

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	0	2	1	0	1

### ENVIRONMENTAL CONDITIONS (EC)

L1

### EDUCATION/TRAINING

2, 3

## Examples of Job Titles

telemarketer  
telephone solicitor

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to acquire and apply knowledge of selling techniques, and to become familiar with goods and services being offered
- **Verbal ability** to contact businesses and private individuals by telephone in order to promote sales
- **Methodical interest** in **comparing** information to quote prices and follow a prepared sales talk
- **Social interest** in **persuading** customers by soliciting sales for goods and services
- **Directive interest** in distributing sales orders to other workers for further processing; may develop lists of prospective customers from city and telephone directories

## Physical Activities

Vision	
2	Near vision
Colour Discrimination	
0	Not relevant
Hearing	
2	Verbal interaction
Body Position	
1	Sitting

Limb Co-ordination	
0	Not relevant

Strength	
1	Limited

## Environmental Conditions

Location	
L1	Regulated inside climate

## Employment Requirements

Education/Training  
2, 3

- Some secondary school education is usually required. High school graduation may be required by some employers.

## Workplaces/Employers

Outbound call centres  
Retail establishments  
Wholesale establishments

## Occupational Options

Progression to related supervisory positions is possible with additional training or experience.

## Similar Occupations Classified Elsewhere

*Cashiers* (6611)

Kiosk sales clerks (in 6421 *Retail Salespersons and Sales Clerks*)

*Retail Trade Managers* (0621)

*Retail Trade Supervisors* (6211)



# 6623.5 Demonstrators

Demonstrators sell goods and services during home demonstrations and retail exhibitions.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
4	3	4	4	4	4	4	4	4

### INTERESTS

MS0

### DATA PEOPLE THINGS (DPT)

557

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	0	2	3	1	2

### ENVIRONMENTAL CONDITIONS (EC)

L1

### EDUCATION/TRAINING

2, 3

## Examples of Job Titles

demonstrator – retail

home demonstrator – retail

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to acquire and apply knowledge of selling techniques, and to become familiar with goods and services being offered
- **Verbal ability** to communicate with prospective customers when describing goods and services
- **Methodical interest in copying** information to demonstrate and explain products' features
- **Social interest in persuading** customers by organizing demonstration parties in private homes and describing qualities and merits of products
- **Objective interest in handling** products to arrange displays in wholesale, retail and industrial establishments, at exhibitions and trade shows, and in homes

Physical Activities

- Vision
- 2 Near vision
- Colour Discrimination
- 0 Not relevant
- Hearing
- 2 Verbal interaction
- Body Position
- 3 Sitting, standing, walking
- Limb Co-ordination
- 1 Upper limb co-ordination
- Strength
- 2 Light

Environmental Conditions

- Location
- L1 Regulated inside climate

Employment Requirements

- Education/Training
- 2, 3
- Some secondary school education is usually required. High school graduation may be required by some employers.

Workplaces/Employers

- Retail establishments
- Wholesale establishments

Occupational Options

Progression to related supervisory positions is possible with additional training or experience.

Similar Occupations Classified Elsewhere

- Cashiers (6611)
- Kiosk sales clerks (in 6421 *Retail Salespersons and Sales Clerks*)
- Retail Trade Managers (0621)
- Retail Trade Supervisors (6211)

# 6641.1 Food Service Counter Attendants and Food Preparers

Food service counter attendants and food preparers prepare, heat and cook simple food items and serve customers at food counters.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
4	4	4	4	4	4	4	4	4

### INTERESTS

Mso

### DATA PEOPLE THINGS (DPT)

677

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	0	2	2	1	2

### ENVIRONMENTAL CONDITIONS (EC)

L1

### EDUCATION/TRAINING

2

## Examples of Job Titles

counter attendant, cafeteria  
fast-food preparer  
food counter attendant  
food preparer  
ice cream counter attendant  
salad bar attendant  
sandwich maker

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to acquire knowledge of menu items and food preparation techniques, and to take customers' orders
- **Numerical ability** to do simple arithmetic; may receive payment for food items purchased
- **Motor co-ordination and finger dexterity** to clean, peel, slice and trim foodstuffs using manual and electric appliances
- **Methodical interest in comparing** information to prepare food according to set standards; in stocking refrigerators and salad bars; in keeping records of the quantities of food used; and in taking customers' orders
- **Social interest in serving** food to customers at counters and buffet tables
- **Objective interest in handling** the preparation of food such as sandwiches, hamburgers, salads, milkshakes and ice cream dishes; to portion and wrap food or place it directly on plates for service to patrons, and package take-out food

Physical Activities

- Vision

2Near vision
- Colour Discrimination

0Not relevant
- Hearing

2Verbal interaction
- Body Position

2Standing and/or walking
- Limb Co-ordination

1Upper limb co-ordination
- Strength

2Light

Environmental Conditions

- Location

L1Regulated inside climate

Employment Requirements

- Education/Training

2

Some secondary school education is usually required.

On-the-job training is provided.

Workplaces/Employers

- Cafes
- Cafeterias
- Fast-food outlets
- Hospitals
- Hotels
- Restaurants

Occupational Options

There is considerable mobility among jobs in the 6641 group.

Movement into other occupations within food preparation and service, such as cook or waiter, is possible with further training and experience.

Similar Occupations Classified Elsewhere

- Chefs (6241)
- Cooks (6242)
- Food and Beverage Servers (6453)
- Street food vendors (in 6623 Other Elemental Sales Occupations)

# 6641.2 Kitchen Helpers

Kitchen helpers clean kitchen areas and assist workers who prepare or serve food and beverages.

</

Descriptor Profile		
Main Characteristics		
Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:		
▪ <b>General learning ability</b> to understand instructions and to keep kitchen areas clean and neat	▪ <b>Manual dexterity</b> to work with cooking and cleaning utensils	▪ <b>Methodical interest</b> in <b>comparing</b> to wash and peel vegetables and fruit, clean work tables, cupboards and appliances, and sweep and mop floors
	▪ <b>Objective interest in handling</b> to remove trash and clear kitchen garbage containers, and to unpack and store supplies in refrigerators, cupboards and other storage areas	▪ <b>Social interest</b> in <b>assisting</b> cook and kitchen staff

## Physical Activities

**Vision**  
2 Near vision

**Colour Discrimination**  
0 Not relevant

**Hearing**  
1 Limited

**Body Position**  
4 Other body positions

**Limb Co-ordination**  
1 Upper limb co-ordination

**Strength**  
3 Medium

## Environmental Conditions

**Location**  
L1 Regulated inside climate

**Hazards**  
H3 Equipment, machinery, tools

**Discomforts**  
D3 Odours  
D5 Wetness

## Employment Requirements

**Education/Training**  
2

- Some secondary school education is usually required.

## Workplaces/Employers

Cafes  
Cafeteria  
Fast-food outlets  
Hospitals  
Hotels  
Restaurants

## Occupational Options

There is considerable mobility among jobs in the 6641 group.

Movement into other occupations within food preparation and service, such as cook or waiter, is possible with further training and experience.

## Similar Occupations Classified Elsewhere

*Chefs (6241)*

*Cooks (6242)*

*Food and Beverage Servers (6453)*

Street food vendors (in 6623 *Other Elemental Sales Occupations*)

# 6641.3 Food Service Helpers

Food service helpers clear tables and assist workers who prepare and serve food and beverages.

<

<



## Physical Activities

### Vision

2 Near vision

### Colour Discrimination

0 Not relevant

### Hearing

1 Limited

### Body Position

2 Standing and/or walking

### Limb Co-ordination

1 Upper limb co-ordination

### Strength

3 Medium

## Environmental Conditions

### Location

L1 Regulated inside climate

## Employment Requirements

### Education/Training

2

- Some secondary school education is usually required.

## Workplaces/Employers

Cafes

Cafeterias

Fast-food outlets

Hospitals

Hotels

Restaurants

## Occupational Options

There is considerable mobility among jobs in the 6641 group.

Movement into other occupations within food preparation and service, such as cook or waiter, is possible with further training and experience.

## Similar Occupations Classified Elsewhere

*Chefs* (6241)

*Cooks* (6242)

*Food and Beverage Servers* (6453)

Street food vendors (in 6623 *Other Elemental Sales Occupations*)

# 6641.4 Dishwashers

Dishwashers wash dishes and assist workers who prepare and serve food and beverages.

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to understand instructions to assist workers who prepare and serve food and beverages
- **Objective interest** in **operating** dishwashers to clean dishes, glassware, flatware, pots and pans
- **Methodical interest** in **comparing** to clean and scour pots and pans; may clean and polish silverware
- **Social interest** in **assisting** workers who prepare and serve food and beverages

## Physical Activities

**Vision**  
2 Near vision

**Colour Discrimination**  
0 Not relevant

**Hearing**  
1 Limited

**Body Position**  
2 Standing and/or walking

**Limb Co-ordination**  
1 Upper limb co-ordination

**Strength**  
3 Medium

## Environmental Conditions

**Location**  
L1 Regulated inside climate

**Discomforts**  
D5 Wetness

## Employment Requirements

**Education/Training**  
2

- Some secondary school education is usually required.

## Workplaces/Employers

Cafes  
Cafeterias  
Fast-food outlets  
Hospitals  
Hotels  
Restaurants

## Occupational Options

There is considerable mobility among jobs in the 6641 group.

Movement into other occupations within food preparation and service, such as cook or waiter, is possible with further training and experience.

## Similar Occupations Classified Elsewhere

*Chefs (6241)*

*Cooks (6242)*

*Food and Beverage Servers (6453)*

Street food vendors (in 6623 *Other Elemental Sales Occupations*)

# 6651 Security Guards and Related Occupations

This group includes security guards and other related workers who guard property against theft and vandalism, control access to establishments, maintain order and enforce regulations at public events and within organizations or areas.

Profile Summary										Examples of Job Titles									
APTITUDES										airport security guard armoured car guard bodyguard bouncer commissionaire crossing guard gate attendant night watchman/woman preboarding security guard security guard security officer									
G	V	N	S	P	Q	K	F	M											
4	3	4	4	4	4	4	4	4											
INTERESTS																			
Msd																			
DATA PEOPLE THINGS (DPT)																			
563																			
PHYSICAL ACTIVITIES (PA)																			
V	C	H	B	L	S														
4	0	3	4	1	2														
ENVIRONMENTAL CONDITIONS (EC)																			
L1, L2, L3, L4, H3*, H8*																			
EDUCATION/TRAINING																			
2, R																			

## Descriptor Profile

### Main Characteristics

- Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:
- **General learning ability** to understand and apply security regulations
  - **Verbal ability** to communicate with police, fire and civil defence authorities and the general public
  - **Form perception** to patrol assigned areas, on foot or in vehicles, to guard against theft, shoplifting, vandalism and fire
  - **Methodical interest** in **copying** to perform security checks of passengers and luggage at airports; to operate security control room equipment to monitor establishment activities; to ensure that establishment safety and emergency procedures are followed; and to enforce regulations of establishments to maintain order
  - **Social interest** in **speaking** with visitors to control access to organizations, issue passes and direct them to appropriate areas
  - **Directive interest** in **driving** and guarding armoured trucks when delivering cash and valuables to banks, automated teller machines and retail establishments; and in responding to fire alarms, bomb threats and other emergencies

---

**Physical Activities**

---

**Vision**  
4 Total visual field

**Colour Discrimination**  
0 Not relevant

**Hearing**  
3 Other sound discrimination

**Body Position**  
4 Other body positions

**Limb Co-ordination**  
1 Upper limb co-ordination

**Strength**  
2 Light

---

**Environmental Conditions**

---

**Location**  
L1 Regulated inside climate  
L2 Unregulated inside climate  
L3 Outside  
L4 In a vehicle or cab

**Hazards**  
H3\* Equipment, machinery, tools  
H8\* Dangerous locations

---

**Employment Requirements**

---

Education/Training  
2, R

- Some secondary school education is usually required.
- Training is provided for airport security guards and establishment specific training may be provided for other security occupations in this group.
- Armoured car drivers require a driver's licence.
- Security guards carrying firearms require a licence.

---

**Workplaces/Employers**

---

Businesses  
Industrial establishments  
Museums  
Private security agencies  
Retail stores

---

**Similar Occupations Classified Elsewhere**

---

*Correctional Service Officers (6462)*

Managers of security agencies (in 0123  
*Other Business Services Managers*)

Private investigators (in 6465 *Other Protective Service Occupations*)

Supervisors of security guards and related occupations (in 6216 *Other Service Supervisors*)

---

**Remarks**

---

\*Environmental Conditions

- For some occupations in this group, Hazards H3 (Equipment, machinery and tools) and H8 (Dangerous locations) may apply.

# 6661 Light Duty Cleaners

Light duty cleaners clean the lobbies, hallways, offices and rooms of hotels, motels, resorts, hospitals, schools, office and other buildings and private residences.

Profile Summary									Examples of Job Titles	
APTITUDES									cleaner	
G	V	N	S	P	Q	K	F	M	hospital cleaner	
4	4	5	4	4	5	4	4	3	hotel cleaner	
INTERESTS									house cleaner	
MOi									light duty cleaner	
DATA PEOPLE THINGS (DPT)									office cleaner	
587									room attendant	
PHYSICAL ACTIVITIES (PA)									sweeper	
V	C	H	B	L	S					
2	0	1	4	1	3					
ENVIRONMENTAL CONDITIONS (EC)										
L1, D3, D5										
EDUCATION/TRAINING										
1, R										

## Descriptor Profile

### Main Characteristics

- Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:
- **General learning ability** to understand and follow instructions
  - **Manual dexterity** to dust furniture, clean, disinfect and polish kitchen and bathroom fixtures and appliances, wash windows, walls and ceilings, make beds, change sheets, distribute clean towels and toiletries, pick up debris and empty trash containers
  - **Methodical interest** in copying instructions to clean lobbies, hallways, offices and rooms of hotels, hospitals, schools, office buildings and private residences, and to disinfect operating rooms and other hospital areas
  - **Objective interest** in handling equipment to sweep, mop, wash, wax and polish floors, and to vacuum carpeting and area rugs, draperies and upholstered furniture
  - **Innovative interest** in inspecting surfaces and objects for dust, dirt and grease to determine appropriate cleaning products to use

## Physical Activities

### Vision

2 Near vision

### Colour Discrimination

0 Not relevant

### Hearing

1 Limited

### Body Position

4 Other body positions

### Limb Co-ordination

1 Upper limb co-ordination

### Strength

3 Medium

## Environmental Conditions

### Location

L1 Regulated inside climate

### Discomforts

D3 Odours

D5 Wetness

## Employment Requirements

### Education/Training

1, R

- There are no specific educational requirements for occupations in this group.
- Certification for housekeeping room attendants or similar certification may be required by some employers.

## Workplaces/Employers

Building management companies

Cleaning service companies

Hospitals

Hotels

Motels

Recreational facilities

Resorts

## Occupational Options

Progression to supervisory cleaning positions is possible with additional training or experience.

## Similar Occupations Classified Elsewhere

*Cleaning Supervisors* (6215)

*Janitors, Caretakers and Building Superintendents* (6663)

*Specialized Cleaners* (6662)



# 6662.1 Carpet and Upholstery Cleaners

Carpet and upholstery cleaners clean carpets and upholstery using specialized equipment and techniques.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
4	4	4	4	4	4	4	4	3

### INTERESTS

OMd

### DATA PEOPLE THINGS (DPT)

684

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	1	1	4	1	2

### ENVIRONMENTAL CONDITIONS (EC)

L1, H1\*, D1, D4, D5\*

### EDUCATION/TRAINING

2

## Examples of Job Titles

carpet cleaner  
upholstery cleaner

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to understand and apply carpet- and upholstery-cleaning techniques
- **Manual dexterity** to apply various cleaning products and techniques to clean carpets, rugs and upholstered furniture
- **Objective interest in operating** specialized cleaning machines
- **Methodical interest** in **comparing** to clean carpets, rugs and upholstered furniture on customers' premises or in carpet- and upholstery-cleaning establishments
- **Directive interest** in selecting appropriate cleaning agents to remove stains from materials

## Physical Activities

**Vision**  
2 Near vision

**Colour Discrimination**  
1 Relevant

**Hearing**  
1 Limited

**Body Position**  
4 Other body positions

**Limb Co-ordination**  
1 Upper limb co-ordination

**Strength**  
2 Light

## Environmental Conditions

**Location**  
L1 Regulated inside climate

**Hazards**  
H1\* Dangerous chemical substances

**Discomforts**  
D1 Noise  
D4 Non-toxic dusts  
D5\* Wetness

## Employment Requirements

**Education/Training**  
2

- There are no specific educational requirements for occupations in this group.
- On-the-job training is usually provided.
- Previous experience in a related position may be required.

## Workplaces/Employers

Self-employment  
Specialized cleaning services companies

## Occupational Options

Progression to supervisory positions is possible with additional training or experience.

## Similar Occupations Classified Elsewhere

*Cleaning Supervisors (6215)*

*Janitors, Caretakers and Building Superintendents (6663)*

*Light Duty Cleaners (6661)*

## Remarks

\*Environmental Conditions

- For some occupations in this group, **Hazards H1** (Dangerous chemical substances) and **Discomforts D5** (Wetness) may also apply.

# 6662.2 Chimney Cleaners

Chimney cleaners clean chimneys using specialized equipment and techniques.

<

Descriptor Profile		
Main Characteristics		
Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:	▪ <b>Manual dexterity</b> to clean soot and creosote from chimneys and fireplaces	
	▪ <b>Objective interest</b> in <b>operating</b> hand tools and industrial vacuum cleaners	
	▪ <b>Methodical interest</b> in <b>comparing</b> to inspect surfaces for soot and creosote deposits; and in cleaning chimneys and fireplaces	
	▪ <b>Directive interest</b> in selecting appropriate chimney cleaning techniques	
▪ <b>General learning ability</b> to understand and apply chimney cleaning techniques		

## Physical Activities

### Vision

- 2 Near vision

### Colour Discrimination

- 0 Not relevant

### Hearing

- 1 Limited

### Body Position

- 4 Other body positions

### Limb Co-ordination

- 1 Upper limb co-ordination

### Strength

- 2 Light

## Environmental Conditions

### Location

- L1 Regulated inside climate
- L3 Outside

### Hazards

- H3 Equipment, machinery, tools
- H6 Flying particles, falling objects
- H8 Dangerous locations

### Discomforts

- D1 Noise
- D4 Non-toxic dusts

## Employment Requirements

### Education/Training

- 2

- There are no specific educational requirements for occupations in this group.
- On-the-job training is usually provided.
- Previous experience in a related position may be required.

## Workplaces/Employers

Self-employment

Specialized cleaning services companies

## Occupational Options

Progression to supervisory positions is possible with additional training or experience.

## Similar Occupations Classified Elsewhere

*Cleaning Supervisors* (6215)

*Janitors, Caretakers and Building Superintendents* (6663)

*Light Duty Cleaners* (6661)

# 6662.3 Furnace and Ventilation System Cleaners

Furnace and ventilation system cleaners clean furnaces and ventilation systems using specialized equipment and techniques.

Profile Summary										Examples of Job Titles									
APTITUDES										furnace cleaner ventilation system cleaner									
G	V	N	S	P	Q	K	F	M											
4	4	5	4	4	5	3	4	3											
INTERESTS																			
OMd																			
DATA PEOPLE THINGS (DPT)																			
684																			
PHYSICAL ACTIVITIES (PA)																			
V	C	H	B	L	S														
2	0	1	4	1	2														
ENVIRONMENTAL CONDITIONS (EC)																			
L1, H3, D1, D4																			
EDUCATION/TRAINING																			
2																			

Descriptor Profile		
Main Characteristics		
Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:		
▪ <b>General learning ability</b> to understand and apply furnace and ventilation-system cleaning techniques	▪ <b>Motor co-ordination and manual dexterity</b> to clean ducts, vents and filters of furnaces in residences and commercial buildings	▪ <b>Methodical interest</b> in <b>comparing</b> to inspect surfaces for dust, dirt, grease and other deposits; and in cleaning furnaces and ventilation systems
	▪ <b>Objective interest</b> in <b>operating</b> hand tools and industrial vacuum cleaners	▪ <b>Directive interest</b> in selecting appropriate furnace and ventilation-system cleaning techniques

## Physical Activities

### Vision

2 Near vision

### Colour Discrimination

0 Not relevant

### Hearing

1 Limited

### Body Position

4 Other body positions

### Limb Co-ordination

1 Upper limb co-ordination

### Strength

2 Light

## Environmental Conditions

### Location

L1 Regulated inside climate

### Hazards

H3 Equipment, machinery, tools

### Discomforts

D1 Noise

D4 Non-toxic dusts

## Employment Requirements

### Education/Training

2

- There are no specific educational requirements for occupations in this group.
- On-the-job training is usually provided.
- Previous experience in a related position may be required.

## Workplaces/Employers

Self-employment

Specialized cleaning services companies

## Occupational Options

Progression to supervisory positions is possible with additional training or experience.

## Similar Occupations Classified Elsewhere

*Cleaning Supervisors* (6215)

*Janitors, Caretakers and Building Superintendents* (6663)

*Light Duty Cleaners* (6661)

# 6662.4 Sandblasters

Sandblasters clean and refurbish building exteriors, chimneys, industrial equipment and other surfaces using specialized equipment and techniques.

Descriptor Profile		
Main Characteristics		
Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:		
▪ <b>General learning ability</b> to understand and apply various sandblasting techniques	▪ <b>Manual dexterity</b> to clean building exteriors, tanks, chimneys and industrial equipment	▪ <b>Methodical interest</b> in <b>comparing</b> to inspect surfaces for dust, dirt, grease and other deposits; and in cleaning building exteriors and other surfaces
	▪ <b>Objective interest</b> in <b>operating</b> sandblasting, pressurized steam and hydroblasting equipment	▪ <b>Directive interest</b> in selecting appropriate sandblasting equipment and techniques



## Physical Activities

**Vision**  
3 Near and far vision

**Colour Discrimination**  
0 Not relevant

**Hearing**  
1 Limited

**Body Position**  
4 Other body positions

**Limb Co-ordination**  
1 Upper limb co-ordination

**Strength**  
2\* Light

## Environmental Conditions

**Location**  
L3 Outside

**Hazards**  
H3 Equipment, machinery, tools  
H6 Flying particles, falling objects  
H7 Fire, steam, hot surfaces  
H8 Dangerous locations

**Discomforts**  
D1 Noise  
D2 Vibration  
D4 Non-toxic dusts

## Employment Requirements

**Education/Training**  
2

- There are no specific educational requirements for occupations in this group.
- On-the-job training is usually provided.
- Previous experience in a related position may be required.

## Workplaces/Employers

Self-employment  
Specialized cleaning services companies

## Occupational Options

Progression to supervisory positions is possible with additional training or experience.

## Similar Occupations Classified Elsewhere

*Cleaning Supervisors (6215)*

*Janitors, Caretakers and Building Superintendents (6663)*

*Light Duty Cleaners (6661)*

## Remarks

\*Physical Activities

- For some occupations in this group, Strength 3 (Medium) may also apply.

# 6662.5 Vehicle Cleaners

Vehicle cleaners clean interiors and exteriors of vehicles using specialized equipment and techniques.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
4	4	5	4	4	5	4	4	3

### INTERESTS

OMd

### DATA PEOPLE THINGS (DPT)

684

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	0	1	4	1	2

### ENVIRONMENTAL CONDITIONS (EC)

L3, L4, D1, D4, D5

### EDUCATION/TRAINING

2

## Examples of Job Titles

auto detailer  
freight car cleaner  
vehicle cleaner

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to understand and apply various vehicle cleaning techniques
- **Manual dexterity** to clean the interior and exterior of automobiles, trucks, buses, streetcars, railway cars and subway cars
- **Objective interest in operating** specialized cleaning equipment
- **Methodical interest** in **comparing** to inspect surfaces for dust, dirt, grease and other deposits; and in cleaning the interior and exterior of vehicles
- **Directive interest** in selecting appropriate vehicle cleaning equipment

## Physical Activities

### Vision

- 2 Near vision

### Colour Discrimination

- 0 Not relevant

### Hearing

- 1 Limited

### Body Position

- 4 Other body positions

### Limb Co-ordination

- 1 Upper limb co-ordination

### Strength

- 2 Light

## Environmental Conditions

### Location

- L3 Outside
- L4 In a vehicle or cab

### Discomforts

- D1 Noise
- D4 Non-toxic dusts
- D5 Wetness

## Employment Requirements

### Education/Training

2

- There are no specific educational requirements for occupations in this group.
- On-the-job training is usually provided.
- Previous experience in a related position may be required.

## Workplaces/Employers

### Self-employment

Specialized cleaning services companies

## Occupational Options

Progression to supervisory positions is possible with additional training or experience.

## Similar Occupations Classified Elsewhere

*Cleaning Supervisors* (6215)

*Janitors, Caretakers and Building Superintendents* (6663)

*Light Duty Cleaners* (6661)

# 6662.6 Window Cleaners

Window cleaners clean windows and other glass surfaces using specialized equipment and techniques.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
4	4	5	4	4	5	3	4	3

### INTERESTS

OMd

### DATA PEOPLE THINGS (DPT)

684

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
3	0	1	4	1	2

### ENVIRONMENTAL CONDITIONS (EC)

L1, L3, H8, D5

### EDUCATION/TRAINING

2

## Examples of Job Titles

window cleaner

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to understand and apply various window cleaning techniques
- **Motor co-ordination** and **manual dexterity** to wash and clean interior and exterior windows and other glass surfaces of buildings
- **Objective interest** in **operating** specialized equipment
- **Methodical interest** in **comparing** to inspect glass surfaces for dust, dirt, grease and other deposits; and in cleaning glass surfaces
- **Directive interest** in applying appropriate window cleaning techniques

## Physical Activities

**Vision**  
3 Near and far vision

**Colour Discrimination**  
0 Not relevant

**Hearing**  
1 Limited

**Body Position**  
4 Other body positions

**Limb Co-ordination**  
1 Upper limb co-ordination

**Strength**  
2 Light

## Environmental Conditions

**Location**  
L1 Regulated inside climate  
L3 Outside

**Hazards**  
H8 Dangerous locations

**Discomforts**  
D5 Wetness

## Employment Requirements

**Education/Training**  
2

- There are no specific educational requirements for occupations in this group.
- On-the-job training is usually provided.
- Previous experience in a related position may be required.

## Workplaces/Employers

Self-employment  
Specialized cleaning services companies

## Occupational Options

Progression to supervisory positions is possible with additional training or experience.

## Similar Occupations Classified Elsewhere

*Cleaning Supervisors* (6215)

*Janitors, Caretakers and Building Superintendents* (6663)

*Light Duty Cleaners* (6661)

# 6663 Janitors, Caretakers and Building Superintendents

Janitors, caretakers and building superintendents clean and maintain the interior and exterior of commercial, institutional and residential buildings and their grounds. Building superintendents employed in large establishments are responsible for the operation of the establishment.

Profile Summary											Examples of Job Titles
APTITUDES										building caretaker building superintendent custodian handyman/woman heavy-duty cleaner industrial cleaner plant cleaner school janitor	
G	V	N	S	P	Q	K	F	M			
4	4	4	4	4	4	4	4	3			
INTERESTS											
MOI											
DATA PEOPLE THINGS (DPT)											
584											
PHYSICAL ACTIVITIES (PA)											
V	C	H	B	L	S						
3	0	1	4	1	3						
ENVIRONMENTAL CONDITIONS (EC)											
L1, L3, H3, D1, D3, D5											
EDUCATION/TRAINING											
2, 3, 4, 5, R											

## Descriptor Profile

Main Characteristics			
<p>Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:</p>		▪ <b>General learning ability</b> to understand and follow instructions related to building maintenance; may advertise vacancies, show apartments and offices to prospective tenants and collect rent; may supervise other workers	
		▪ <b>Manual dexterity</b> to empty trash cans and other waste containers, wash windows, interior walls and ceilings, and clean and disinfect washrooms and fixtures	
		▪ <b>Methodical interest in copying</b> instructions to clean and maintain the interior and exterior of commercial, institutional and residential buildings and their grounds; to contract tradespersons for major repairs; and to ensure that security and safety measures are in place in the establishment	
		▪ <b>Objective interest in operating – manipulating</b> industrial vacuum cleaners to remove scraps, dirt, heavy debris and other refuse; to sweep, mop, scrub and wax hallways, floors and stairs; to clear snow and ice from walkways and parking areas; and to cut grass and tend grounds	
		▪ <b>Innovative interest</b> in making adjustments and minor repairs to heating, cooling, ventilating, plumbing and electrical systems; and in performing routine maintenance jobs and repairs such as painting	

Physical Activities

- Vision
- 3 Near and far vision
- Colour Discrimination
- 0 Not relevant

- Hearing
- 1 Limited

- Body Position
- 4 Other body positions

- Limb Co-ordination
- 1 Upper limb co-ordination

- Strength
- 3 Medium

Environmental Conditions

- Location
- L1 Regulated inside climate
  - L3 Outside

- Hazards
- H3 Equipment, machinery, tools

- Discomforts
- D1 Noise
  - D3 Odours
  - D5 Wetness

Employment Requirements

Education/Training

2, 3, 4, 5, R

- Completion of secondary school may be required.
- Some occupations in this group require previous cleaning and maintenance experience.
- A journeyman/woman certificate in one or more of the trades or a building operator certificate may be required for building superintendents.

Workplaces/ Employers

- Apartment building management companies
- Hospitals and other institutions
- Industrial establishments
- Office building management companies
- Recreational facilities
- School boards
- Shopping facilities

Occupational Options

Progression to supervisory positions is possible with additional training or experience.

Similar Occupations Classified Elsewhere

- Cleaning Supervisors* (6215)
- Light Duty Cleaners* (6661)
- Specialized Cleaners* (6662)



# 6671.1 Amusement Attraction Operators

This group includes amusement occupations such as operators of amusement rides, games and other attractions.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
4	4	4	3	4	4	3	4	3

### INTERESTS

OMS

### DATA PEOPLE THINGS (DPT)

562

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
4	1	2	4	2	3

### ENVIRONMENTAL CONDITIONS (EC)

L3, L4, H3, D1

### EDUCATION/TRAINING

2

## Examples of Job Titles

amusement attraction operator  
amusement ride operator  
game concession operator

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability and spatial perception** to set up and operate rides, fun houses, game concessions and other amusement attractions
- **Motor co-ordination and manual dexterity** to drive trucks, vans and other vehicles in order to transport amusement rides, games and other attractions
- **Objective interest in controlling** equipment to operate rides and other attractions
- **Methodical interest in copying** information to perform routine maintenance and safety inspections of equipment
- **Social interest in speaking** to oversee game activities, ensure safety of participants and supervise amusement attraction attendants; may sell tickets

## Physical Activities

### Vision

- 4 Total visual field

### Colour Discrimination

- 1 Relevant

### Hearing

- 2 Verbal interaction

### Body Position

- 4 Other body positions

### Limb Co-ordination

- 2 Multiple limb co-ordination

### Strength

- 3 Medium

## Environmental Conditions

### Location

- L3 Outside
- L4 In a vehicle or cab

### Hazards

- H3 Equipment, machinery, tools

### Discomforts

- D1 Noise

## Employment Requirements

### Education/Training

2

- Some secondary school education may be required.
- On-the-job training is usually provided.

## Workplaces/Employers

Amusement parks

Carnivals

Exhibitions

Fairs

Self-employment

## Occupational Options

Progression to supervisory positions is possible with additional training or experience.

## Similar Occupations Classified Elsewhere

*Casino Occupations (6443)*

*Other Elemental Service Occupations (6683)*

*Other Personal Service Occupations (6484)*

*Program Leaders and Instructors in Recreation and Sport (5254)*

Supervisors of operators and attendants in amusement, recreation and sport (in 6216 *Other Service Supervisors*)

# 6671.2 Attendants in Amusement, Recreation and Sport

This group includes attendants in amusement, recreation and sports facilities who assist patrons, collect tickets and fees and supervise the use of recreational and sports equipment.

Profile Summary										Examples of Job Titles									
APTITUDES										amusement park attendant athletic equipment custodian billiard parlour attendant bingo hall attendant bowling alley attendant campground attendant ice maker, rink recreation attendant recreational facility attendant ski lift attendant sport attendant tennis court attendant									
G	V	N	S	P	Q	K	F	M											
4	4	3	3	4	3	3	4	3											
INTERESTS																			
MOS																			
DATA PEOPLE THINGS (DPT)																			
663																			
PHYSICAL ACTIVITIES (PA)																			
V	C	H	B	L	S														
3	0	2	3	2	3														
ENVIRONMENTAL CONDITIONS (EC)																			
L1, L2, L3, H3																			
EDUCATION/TRAINING																			
2																			

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to schedule the use of recreational facilities and sports equipment, and operate a variety of recreational facility equipment
- **Spatial perception, motor co-ordination and manual dexterity** to handle ski lift equipment, snow making machines, equipment for spraying surfaces of rinks and other recreational facility equipment
- **Methodical interest in comparing** to collect tickets and fees; to rent or sell sports and accessory equipment; to monitor recreational equipment to detect wear and damage; and to schedule the use of recreational facilities such as golf courses, tennis courts, bowling alleys, fitness clubs and other similar facilities
- **Objective interest in operating** recreational facility equipment such as ski lifts, ice rink equipment and snow making machines; and in securing and releasing safety belts and bars
- **Social interest in speaking – signalling** to assist patrons on and off ski lifts and amusement park rides; and in attending to the requests of patrons

## Physical Activities

**Vision**  
3 Near and far vision

**Colour Discrimination**  
0 Not relevant

**Hearing**  
2 Verbal interaction

**Body Position**  
3 Sitting, standing, walking

**Limb Co-ordination**  
2 Multiple limb co-ordination

**Strength**  
3 Medium

## Environmental Conditions

**Location**  
L1 Regulated inside climate  
L2 Unregulated inside climate  
L3 Outside

**Hazards**  
H3 Equipment, machinery, tools

## Employment Requirements

**Education/Training**  
2

- Some secondary school education may be required.
- On-the-job training is usually provided.

## Workplaces/Employers

Amusement parks  
Arenas  
Billiard parlours  
Bowling alleys  
Carnivals  
Exhibitions  
Fairs  
Golf courses  
Recreational and sports facilities  
Ski centres  
Tennis clubs

## Occupational Options

Progression to supervisory positions is possible with additional training or experience.

## Similar Occupations Classified Elsewhere

*Casino Occupations (6443)*

*Other Elemental Service Occupations (6683)*

*Other Personal Service Occupations (6484)*

*Program Leaders and Instructors in Recreation and Sport (5254)*

Supervisors of operators and attendants in amusement, recreation and sport (in 6216 *Other Service Supervisors*)

# 6672.1 Guest Service Attendants

Guest service attendants carry hotel guests' luggage and escort guests to their rooms.

<

Descriptor Profile		
Main Characteristics		
Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:		
General learning ability to attend to guests' luggage, escort guests to rooms and provide information in response to requests	Objective interest in handling luggage for hotel guests and maintaining luggage storage areas	
	Social interest in assisting guests by escorting them to their rooms and offering information regarding features of rooms, services of hotel and points of interest; in assisting guests with special needs; in handling guest complaints and requests; and in attending to group arrivals and departures	
	Methodical interest in comparing to check rooms to make sure they are in order and to receive and deliver items and messages for guests	

## Physical Activities

Vision	
2	Near vision
Colour Discrimination	
0	Not relevant
Hearing	
2	Verbal interaction

Body Position	
4	Other body positions

Limb Co-ordination	
1	Upper limb co-ordination

Strength	
3	Medium

## Environmental Conditions

Location	
L1	Regulated inside climate

## Employment Requirements

Education/Training	
2	

- Some secondary school education may be required.

## Workplaces/Employers

Hotels

## Occupational Options

Progression to supervisory positions is possible with experience.

## Similar Occupations Classified Elsewhere

*Air Transport Ramp Attendants* (7437)

*Pursers and Flight Attendants* (6432)

Supervisors of attendants in this group  
(in 6216 *Other Service Supervisors*)

*Ticket Agents and Cargo Service  
Representatives and Related Clerks  
(Except Airline)* (6434)

*Tour and Travel Guides* (6441)

# 6672.2 Baggage Porters

Baggage porters carry travellers' luggage at railway stations and airports.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
4	4	5	4	4	5	4	4	4

### INTERESTS

OSM

### DATA PEOPLE THINGS (DPT)

677

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	0	2	4	1	3

### ENVIRONMENTAL CONDITIONS (EC)

L1, L3

### EDUCATION/TRAINING

2

## Examples of Job Titles

baggage porter  
luggage attendant  
porter  
redcap

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to attend to travellers' luggage
- **Objective interest** in **handling** travellers' luggage by hand or handcart
- **Social interest** in **assisting** travellers by arranging for ground transportation
- **Methodical interest** in **comparing** to make sure luggage is transported according to standard procedures



## Physical Activities

### Vision

- 2 Near vision

### Colour Discrimination

- 0 Not relevant

### Hearing

- 2 Verbal interaction

### Body Position

- 4 Other body positions

### Limb Co-ordination

- 1 Upper limb co-ordination

### Strength

- 3 Medium

## Environmental Conditions

### Location

- L1 Regulated inside climate  
L3 Outside

## Employment Requirements

### Education/Training

2

- Some secondary school education may be required.

## Workplaces/Employers

Airports

Railway companies

## Occupational Options

Progression to supervisory positions is possible with experience.

## Similar Occupations Classified Elsewhere

*Air Transport Ramp Attendants* (7437)

*Pursers and Flight Attendants* (6432)

Supervisors of attendants in this group  
(in 6216 *Other Service Supervisors*)

*Ticket Agents and Cargo Service  
Representatives and Related Clerks  
(Except Airline)* (6434)

*Tour and Travel Guides* (6441)

# 6672.3 Ship Attendants

Ship attendants carry travellers' luggage aboard ships and clean and maintain public areas and passengers' rooms aboard ships.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
4	4	4	4	4	5	4	4	3

### INTERESTS

OSM

### DATA PEOPLE THINGS (DPT)

677

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	0	2	4	1	3

### ENVIRONMENTAL CONDITIONS (EC)

L1, L3

### EDUCATION/TRAINING

2

## Examples of Job Titles

passenger attendant, cruise line

passenger attendant, ship

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to attend to passengers luggage and to clean and maintain public areas and rooms on ships
- **Manual dexterity** to use cleaning equipment
- **Objective interest in handling** luggage for passengers aboard ships
- **Social interest** in **serving** food and beverages
- **Methodical interest** in **comparing** to clean cabins, make beds and wash dishes

## Physical Activities

### Vision

- 2 Near vision

### Colour Discrimination

- 0 Not relevant

### Hearing

- 2 Verbal interaction

### Body Position

- 4 Other body positions

### Limb Co-ordination

- 1 Upper limb co-ordination

### Strength

- 3 Medium

## Environmental Conditions

### Location

- L1 Regulated inside climate
- L3 Outside

## Employment Requirements

### Education/Training

2

- Some secondary school education may be required.

## Workplaces/Employers

Cruise lines

Water transport companies

## Occupational Options

Progression to supervisory positions is possible with experience.

## Similar Occupations Classified Elsewhere

*Air Transport Ramp Attendants* (7437)

*Pursers and Flight Attendants* (6432)

Supervisors of attendants in this group  
(in 6216 *Other Service Supervisors*)

*Ticket Agents and Cargo Service  
Representatives and Related Clerks  
(Except Airline)* (6434)

*Tour and Travel Guides* (6441)

# 6672.4 Train Service Attendants

Train service attendants clean and maintain public areas and sleeping cars aboard trains.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
4	4	4	4	4	5	4	4	4

### INTERESTS

OSM

### DATA PEOPLE THINGS (DPT)

677

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	0	2	4	1	2

### ENVIRONMENTAL CONDITIONS (EC)

L1

### EDUCATION/TRAINING

2

## Examples of Job Titles

train service attendant

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to attend to the cleaning and maintenance of public areas and sleeping cars on trains
- **Objective interest** in **handling** supplies to set and clear tables
- **Social interest** in **assisting** passengers as required
- **Methodical interest** in **comparing** to clean sleeping cars and maintain washroom supplies

---

**Physical Activities**

---

**Vision**

2 Near vision

**Colour Discrimination**

0 Not relevant

**Hearing**

2 Verbal interaction

**Body Position**

4 Other body positions

**Limb Co-ordination**

1 Upper limb co-ordination

**Strength**

2 Light

---

**Environmental Conditions**

---

**Location**

L1 Regulated inside climate

---

**Employment Requirements**

---

**Education/Training**

2

- Some secondary school education may be required.

---

**Workplaces/Employers**

---

Railway companies

---

**Occupational Options**

---

Progression to supervisory positions is possible with experience.

---

**Similar Occupations Classified Elsewhere**

---

*Air Transport Ramp Attendants (7437)**Pursers and Flight Attendants (6432)*

Supervisors of attendants in this group  
(in 6216 *Other Service Supervisors*)

*Ticket Agents and Cargo Service  
Representatives and Related Clerks  
(Except Airline) (6434)*

*Tour and Travel Guides (6441)*

# 6681.1 Dry Cleaning and Laundry Machine Operators

Dry cleaning and laundry machine operators operate machines to dry-clean and launder garments and other articles.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
4	4	5	4	4	5	4	4	3

### INTERESTS

OMd

### DATA PEOPLE THINGS (DPT)

684

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	1	1	2	1	2

### ENVIRONMENTAL CONDITIONS (EC)

L1, H1, D3

### EDUCATION/TRAINING

2

## Examples of Job Titles

- cleaning machine operator
- drapery cleaner
- dry cleaner
- dyer, laundry and dry cleaning
- fur cleaner
- laundry machine operator
- laundry worker
- leather cleaner
- machine operator, laundry and dry cleaning
- spotter
- sprayer, leather or suede
- suede cleaner

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to acquire and apply knowledge of fabrics and techniques of dry cleaning and stain removal
- **Manual dexterity** to load and unload machines, rub articles with brushes and sponges, and use steam guns and air hoses to remove stains
- **Objective interest in operating** machines to dry-clean dresses, suits, coats, sweaters and other garments, draperies, cushion covers and other articles, and to use washing machines and dryers to clean and dry garments, sheets, blankets, towels and other articles
- **Methodical interest in comparing** to dry-clean and launder garments and household articles
- **Directive interest** in using specialized machines to clean and blow-dry fur garments, and to dry-clean, dye, spray, re-oil and re-buff suede and leather garments

## Physical Activities

### Vision

- 2 Near vision

### Colour Discrimination

- 1 Relevant

### Hearing

- 1 Limited

### Body Position

- 2 Standing and/or walking

### Limb Co-ordination

- 1 Upper limb co-ordination

### Strength

- 2 Light

## Environmental Conditions

### Location

- L1 Regulated inside climate

### Hazards

- H1 Dangerous chemical substances

### Discomforts

- D3 Odours

## Employment Requirements

### Education/Training

2

- Some secondary school education is required.
- Four to eight weeks of on-the-job training are usually provided.
- Dry cleaning and laundry machine operators may require experience as inspectors or assemblers.
- Suede, leather and fur cleaners may require experience as dry cleaning or laundry machine operators.

## Workplaces/Employers

Dry cleaning and laundry establishments

Fur cleaning establishments

Laundries of hotels, hospitals and other institutions

## Occupational Options

Progression to supervisory dry cleaning and laundry occupations is possible with additional training and experience.

## Similar Occupations Classified Elsewhere

*Alterers (in 7342 Tailors, Dressmakers, Furriers and Milliners)*

*Dry Cleaning and Laundry Supervisors (6214)*

*Dry cleaning service managers (in 0651 Other Services Managers)*

*Ironing, Pressing and Finishing Occupations (6682)*



# 6681.2 Dry Cleaning and Laundry Inspectors and Assemblers

Dry cleaning and laundry inspectors and assemblers check finished garments and other articles to make sure that they meet required standards for dry cleaning, laundering and pressing, and assemble and bag finished garments.

</

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to understand and apply procedures to inspect and assemble dry-cleaned and laundered articles
- **Methodical interest** in **comparing** to check finished garments and other articles to ensure that they are properly dry-cleaned or laundered, to match invoices with tags on garments and other articles, and to record damaged and improperly cleaned and laundered articles
- **Objective interest** in **handling** to assemble and bag finished garments and other articles; and in using hand-held steam irons to touch up finished garments and other articles
- **Directive interest** in sending improperly dry-cleaned and damaged articles for further processing and repair

## Physical Activities

### Vision

- 2 Near vision

### Colour Discrimination

- 1 Relevant

### Hearing

- 1 Limited

### Body Position

- 2 Standing and/or walking

### Limb Co-ordination

- 1 Upper limb co-ordination

### Strength

- 2 Light

## Environmental Conditions

### Location

- L1 Regulated inside climate

### Hazards

- H3 Equipment, machinery, tools
- H7 Fire, steam, hot surfaces

## Employment Requirements

### Education/Training

2

- Some secondary school education is required.
- Four to eight weeks of on-the-job training are usually provided.

## Workplaces/Employers

Dry cleaning and laundry establishments

Fur cleaning establishments

Laundries of hotels, hospitals and other institutions

## Occupational Options

Progression to supervisory dry cleaning and laundry occupations is possible with additional training and experience.

## Similar Occupations Classified Elsewhere

*Alterers (in 7342 Tailors, Dressmakers, Furriers and Milliners)*

*Dry Cleaning and Laundry Supervisors (6214)*

*Dry cleaning service managers (in 0651 Other Services Managers)*

*Ironing, Pressing and Finishing Occupations (6682)*

# 6682 Ironing, Pressing and Finishing Occupations

This group includes workers who iron, press and otherwise finish garments and household articles.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
4	4	5	4	4	5	3	4	3

### INTERESTS

MOi

### DATA PEOPLE THINGS (DPT)

584

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	0	1	2	1	2

### ENVIRONMENTAL CONDITIONS (EC)

L1, H3, H7

### EDUCATION/TRAINING

2

## Examples of Job Titles

finisher  
laundry finisher  
pleat finisher  
presser  
silk finisher  
steam finisher

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to understand and follow instructions for machine and hand-pressing of garments and other articles
- **Motor co-ordination and manual dexterity** to use hand irons and to handle garments, flatwork and other articles

- **Methodical interest in copying** procedures to fold and bag dry-cleaned and laundered articles
- **Objective interest in operating** finishing equipment such as steam pressers and fur ironing and glazing equipment to finish fur garments and other fur articles; and in using hand irons to finish pants, jackets, shirts, skirts and other dry-cleaned and laundered articles; may operate laundering equipment
- **Innovative interest** in understanding the properties of fabrics, and in using appropriate techniques for hand-ironing laundered fine lace and dry-cleaned silk garments

---

**Physical Activities**


---

**Vision**

2 Near vision

**Colour Discrimination**

0 Not relevant

**Hearing**

1 Limited

**Body Position**

2 Standing and/or walking

**Limb Co-ordination**

1 Upper limb co-ordination

**Strength**

2 Light

---

**Environmental Conditions**


---

**Location**

L1 Regulated inside climate

**Hazards**

H3 Equipment, machinery, tools

H7 Fire, steam, hot surfaces

---

**Employment Requirements**


---

**Education/Training**

2

- Some secondary school education is required.
- On-the-job training is provided.

---

**Workplaces/Employers**


---

Dry cleaning and laundry establishments

Fur cleaning establishments

Laundries of hotels, hospitals and other institutions

---

**Occupational Options**


---

Progression to supervisory dry cleaning and laundry positions is possible with additional training or experience.

---

**Similar Occupations Classified Elsewhere**


---

*Dry Cleaning and Laundry Occupations*  
(6681)

*Dry Cleaning and Laundry Supervisors*  
(6214)

---

**Remarks**


---

Workers in this group may specialize in finishing suede, leather, fur and delicate articles.

# 6683.1 Beauty Salon Attendants

Beauty salon attendants provide services in beauty salons.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
4	4	5	4	4	5	4	4	4

### INTERESTS

MSO

### DATA PEOPLE THINGS (DPT)

677

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	0	1	2	1	1

### ENVIRONMENTAL CONDITIONS (EC)

L1, D3, D4, D5

### EDUCATION/TRAINING

1

## Examples of Job Titles

beauty salon attendant

tanning salon attendant

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to understand and apply standard procedures to perform the duties of a beauty salon attendant
- **Methodical interest** in **comparing** to keep work areas clean
- **Social interest** in **assisting** hairstylists as directed
- **Objective interest** in **handling** to shampoo, condition and dry customers' hair

**Physical Activities**

**Vision**

2 Near vision

**Colour Discrimination**

0 Not relevant

**Hearing**

1 Limited

**Body Position**

2 Standing and/or walking

**Limb Co-ordination**

1 Upper limb co-ordination

**Strength**

1 Limited

**Environmental Conditions**

**Location**

L1 Regulated inside climate

**Discomforts**

D3 Odours

D4 Non-toxic dusts

D5 Wetness

**Employment Requirements**

**Education/Training**

1

- There are no specific educational requirements for occupations in this group.

**Workplaces/Employers**

Beauty salons

**Similar Occupations Classified Elsewhere**

*Hairstylists and Barbers (6271)*

# 6683.2 Door Attendants

Door attendants provide services in retail service establishments.

</

Descriptor Profile		
Main Characteristics		
Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:		
<ul style="list-style-type: none"><li>▪ <b>General learning ability</b> to understand and follow instructions</li><li>▪ <b>Methodical interest</b> in <b>comparing</b> to prevent entry of unauthorized and undesirable guests</li><li>▪ <b>Social interest</b> in <b>assisting</b> people entering and leaving hotels, theatres and similar establishments; may hail taxis and assist with luggage</li><li>▪ <b>Objective interest</b> in <b>handling</b> to open doors for people entering and leaving establishments</li></ul>		



Physical Activities

Vision

2 Near vision

Colour Discrimination

0 Not relevant

Hearing

1 Limited

Body Position

2 Standing and/or walking

Limb Co-ordination

1 Upper limb co-ordination

Strength

1 Limited

Environmental Conditions

Location

L1 Regulated inside climate

L3 Outside

Employment Requirements

Education/Training

1

- There are no specific educational requirements for occupations in this group.

Workplaces/Employers

Retail service and other establishments

Similar Occupations Classified Elsewhere

*Operators and Attendants in Amusement, Recreation and Sport (6671)*

# 6683.3 Funeral Home Attendants

Funeral home attendants provide services for funeral homes.

Profile Summary									Examples of Job Titles	
APTITUDES									funeral home attendant	
G	V	N	S	P	Q	K	F	M		
4	4	5	4	4	4	4	4	4		
INTERESTS										
OMs										
DATA PEOPLE THINGS (DPT)										
673										
PHYSICAL ACTIVITIES (PA)										
V	C	H	B	L	S					
4	0	1	3	2	3					
ENVIRONMENTAL CONDITIONS (EC)										
L1, L3, L4										
EDUCATION/TRAINING										
1, R										

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to understand and follow instructions and standard procedures
- **Objective interest** in **driving** hearses and other vehicles
- **Methodical interest** in **comparing** to clean funeral parlours and chapels, and to arrange lights and floral displays
- **Social interest** in **assisting** to escort mourners; and in acting as pallbearers

## Physical Activities

### Vision

- 4 Total visual field

### Colour Discrimination

- 0 Not relevant

### Hearing

- 1 Limited

### Body Position

- 3 Sitting, standing, walking

### Limb Co-ordination

- 2 Multiple limb co-ordination

### Strength

- 3 Medium

## Environmental Conditions

### Location

- L1 Regulated inside climate  
L3 Outside  
L4 In a vehicle or cab

## Employment Requirements

### Education/Training

- 1, R

- There are no specific educational requirements for occupations in this group.
- A valid driver's licence is required for funeral attendants.

## Workplaces/Employers

Funeral homes or parlours

# 6683.4 Laundromat Attendants

Laundromat attendants provide services in laundromats.

<

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to understand and follow standard procedures
- **Methodical interest** in **comparing** to clean laundromats; and in arranging for the repair of broken machines; may wash, dry and fold laundry for customers
- **Objective interest** in **handling** to replenish vending machines; may operate dry cleaning machines for customers
- **Social interest** in **speaking** to customers when providing change and explaining operation of machines

---

## Physical Activities

---

### Vision

- 2 Near vision

---

### Colour Discrimination

- 0 Not relevant

---

### Hearing

- 2 Verbal interaction

---

### Body Position

- 4 Other body positions

---

### Limb Co-ordination

- 1 Upper limb co-ordination

---

### Strength

- 2 Light

---

## Environmental Conditions

---

### Location

- L1 Regulated inside climate

---

## Employment Requirements

---

### Education/Training

1

- There are no specific educational requirements for occupations in this group.

---

## Workplaces/Employers

---

Laundromats

Retail service and other establishments

---

## Similar Occupations Classified Elsewhere

---

*Dry Cleaning and Laundry Occupations*  
(6681)

*Operators and Attendants in Amusement, Recreation and Sport*  
(6671)

# 6683.5 Parking Lot Attendants and Car Jockeys

Parking lot attendants and car jockeys provide services in parking lots.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
4	4	4	4	4	4	4	4	4

### INTERESTS

MOs

### DATA PEOPLE THINGS (DPT)

663

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
4	0	1	3	2	1

### ENVIRONMENTAL CONDITIONS (EC)

L1, L2, L3

### EDUCATION/TRAINING

1, R

## Examples of Job Titles

car jockey  
garage jockey  
hotel valet  
parking lot attendant  
toll booth attendant

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to understand and follow standard procedures
- **Methodical interest** in **comparing** to issue ticket stubs and collect parking fees
- **Objective interest** in **driving** to park cars
- **Social interest** in **speaking** to customers when directing them to parking spaces

---

**Physical Activities**

---

**Vision**

- 4 Total visual field

---

**Colour Discrimination**

- 0 Not relevant

---

**Hearing**

- 1 Limited

---

**Body Position**

- 3 Sitting, standing, walking

---

**Limb Co-ordination**

- 2 Multiple limb co-ordination

---

**Strength**

- 1 Limited

---

**Environmental Conditions**

---

**Location**

- L1 Regulated inside climate
- L2 Unregulated inside climate
- L3 Outside

---

**Employment Requirements**

---

**Education/Training**

- 1, R

- There are no specific educational requirements for occupations in this group.
- A valid driver's licence is required for some occupations in this group.

---

**Workplaces/Employers**

---

Hotels

Parking lots

Retail service and other establishments

---

**Similar Occupations Classified Elsewhere**

---

*Operators and Attendants in Amusement, Recreation and Sport (6671)*



# 6683.6 Ticket Takers and Ushers

Ticket takers and ushers provide services in retail service establishments.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
4	4	5	4	4	4	4	4	4

### INTERESTS

Msd

### DATA PEOPLE THINGS (DPT)

668

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	0	2	2	1	1

### ENVIRONMENTAL CONDITIONS (EC)

L1

### EDUCATION/TRAINING

1

## Examples of Job Titles

cloakroom attendant  
fur storage attendant  
ticket taker  
usher

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to understand and follow standard procedures
- **Methodical interest** in **comparing** to collect admission tickets and passes from patrons at entertainment events
- **Social interest** in **speaking** to patrons when answering questions
- **Directive interest** in maintaining order in lobbies and waiting areas, and in directing patrons to their seats

Physical Activities

- Vision
- 2 Near vision
- Colour Discrimination
- 0 Not relevant
- Hearing
- 2 Verbal interaction

- Body Position
- 2 Standing and/or walking

- Limb Co-ordination
- 1 Upper limb co-ordination

- Strength
- 1 Limited

Environmental Conditions

- Location
- L1 Regulated inside climate

Employment Requirements

- Education/Training
- 1
- There are no specific educational requirements for occupations in this group.

Workplaces/Employers

Retail service and other establishments

Similar Occupations Classified Elsewhere

*Operators and Attendants in Amusement, Recreation and Sport (6671)*

# 6683.7 Other Elemental Service Workers

Other elemental workers included in this group perform services specific to the establishments in which their occupations are found.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
4	4	5	4	4	5	4	4	4

### INTERESTS

MOs

### DATA PEOPLE THINGS (DPT)

677

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	0	2	4	1	2

### ENVIRONMENTAL CONDITIONS (EC)

L1, D3\*

### EDUCATION/TRAINING

1

## Examples of Job Titles

butler  
housesitter  
sauna room attendant  
shoe shiner

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to understand and follow instructions and standard procedures
- **Methodical interest** in **comparing** to provide a variety of cleaning and maintenance services for individuals and establishments
- **Objective interest** in **handling** equipment and products needed to perform required tasks
- **Social interest** in **assisting** individuals with their specific cleaning and maintenance needs

## Physical Activities

### Vision

2 Near vision

### Colour Discrimination

0 Not relevant

### Hearing

2 Verbal interaction

### Body Position

4 Other body positions

### Limb Co-ordination

1 Upper limb co-ordination

### Strength

2 Light

## Environmental Conditions

### Location

L1 Regulated inside climate

### Discomforts

D3\* Odours

## Employment Requirements

### Education/Training

1

- There are no specific educational requirements for occupations in this group.

## Workplaces/Employers

Retail service and other establishments

Self-employment

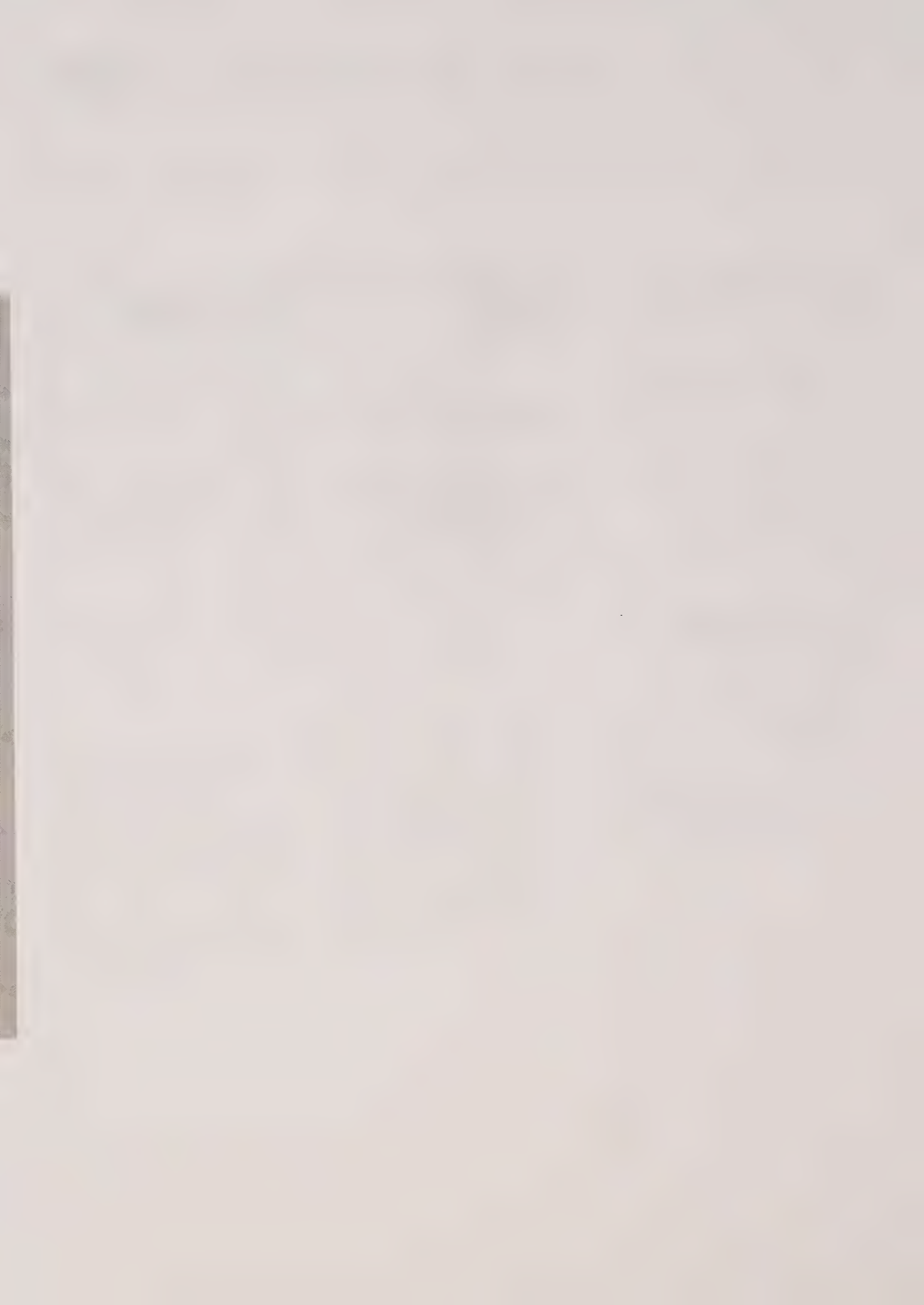
## Similar Occupations Classified Elsewhere

*Operators and Attendants in Amusement, Recreation and Sport (6671)*

## Remarks

\*Environmental Conditions

- For some occupations in this group, Discomforts D3 (Odours) may also apply.



**Trades, Transport and Equipment  
Operators and Related Occupations**





## **Trades, Transport and Equipment Operators and Related Occupations**

---

### **MAJOR GROUP 72-73**

#### **TRADES AND SKILLED TRANSPORT AND EQUIPMENT OPERATORS**

##### **721 Contractors and Supervisors, Trades and Related Workers**

- 7211 Supervisors, Machinists and Related Occupations
- 7212 Contractors and Supervisors, Electrical Trades and Telecommunications Occupations
- 7213 Contractors and Supervisors, Pipefitting Trades
- 7214 Contractors and Supervisors, Metal Forming, Shaping and Erecting Trades
- 7215 Contractors and Supervisors, Carpentry Trades
- 7216 Contractors and Supervisors, Mechanic Trades
- 7217 Contractors and Supervisors, Heavy Construction Equipment Crews
- 7218 Supervisors, Printing and Related Occupations
- 7219 Contractors and Supervisors, Other Construction Trades, Installers, Repairers and Servicers

##### **722 Supervisors, Railway and Motor Transportation Occupations**

- 7221 Supervisors, Railway Transport Operations
- 7222 Supervisors, Motor Transport and Other Ground Transit Operators

##### **723 Machinists and Related Occupations**

- 7231 Machinists and Machining and Tooling Inspectors
  - 7231.1 Machinists
  - 7231.2 Machining and Tooling Inspectors
- 7232 Tool and Die Makers
  - 7232.1 Tool and Die Makers
  - 7232.2 Metal Patternmakers
  - 7232.3 Metal Mould Makers

##### **724 Electrical Trades and Telecommunication Occupations**

- 7241 Electricians (Except Industrial and Power System)
- 7242 Industrial Electricians
- 7243 Power System Electricians
- 7244 Electrical Power Line and Cable Workers
- 7245 Telecommunications Line and Cable Workers
- 7246 Telecommunications Installation and Repair Workers
  - 7246.1 Telephone Installers and Repairers
  - 7246.2 Switch Network Installers and Repairers
  - 7246.3 Telecommunications Service Testers
  - 7246.4 Telecommunications Equipment Technicians
- 7247 Cable Television Service and Maintenance Technicians
  - 7247.1 Cable Television Service Technicians
  - 7247.2 Cable Television Maintenance Technicians

**725 Plumbers, Pipefitters and Gas Fitters**

- 7251 Plumbers
- 7252 Steamfitters, Pipefitters and Sprinkler System Installers
  - 7252.1 Steamfitters and Pipefitters
  - 7252.2 Sprinkler System Installers
- 7253 Gas Fitters

**726 Metal Forming, Shaping and Erecting Trades**

- 7261 Sheet Metal Workers
- 7262 Boilermakers
- 7263 Structural Metal and Platework Fabricators and Fitters
- 7264 Ironworkers
- 7265 Welders and Related Machine Operators
  - 7265.1 Welders
  - 7265.2 Welding, Brazing and Soldering Machine Operators
- 7266 Blacksmiths and Die Setters
  - 7266.1 Blacksmiths
  - 7266.2 Die Setters

**727 Carpenters and Cabinetmakers**

- 7271 Carpenters
- 7272 Cabinetmakers

**728 Masonry and Plastering Trades**

- 7281 Bricklayers
- 7282 Concrete Finishers
- 7283 Tilesetters
- 7284 Plasterers, Drywall Installers and Finishers and Lathers
  - 7284.1 Plasterers
  - 7284.2 Drywall Installers and Finishers
  - 7284.3 Lathers

**729 Other Construction Trades**

- 7291 Roofers and Shinglers
  - 7291.1 Roofers
  - 7291.2 Shinglers
- 7292 Glaziers
- 7293 Insulators
- 7294 Painters and Decorators
- 7295 Floor Covering Installers

**731 Machinery and Transportation Equipment Mechanics  
(Except Motor Vehicle)**

- 7311 Construction Millwrights and Industrial Mechanics (Except Textile)
- 7312 Heavy-Duty Equipment Mechanics
- 7313 Refrigeration and Air Conditioning Mechanics

- 7314 Railway Carmen/women
- 7315 Aircraft Mechanics and Aircraft Inspectors
  - 7315.1 Aircraft Mechanics
  - 7315.2 Aircraft Inspectors
- 7316 Machine Fitters
- 7317 Textile Machinery Mechanics and Repairers
- 7318 Elevator Constructors and Mechanics

**732 Automotive Service Technicians**

- 7321 Automotive Service Technicians, Truck Mechanics and Mechanical Repairers
  - 7321.1 Automotive Service Technicians
  - 7321.2 Mechanical Repairers, Motor Vehicle Manufacturing
  - 7321.3 Transport Truck and Trailer Mechanics
- 7322 Motor Vehicle Body Repairers

**733 Other Mechanics**

- 7331 Oil and Solid Fuel Heating Mechanics
- 7332 Electric Appliance Servicers and Repairers
  - 7332.1 Small Appliance Servicers and Repairers
  - 7332.2 Major Appliance Repairers/Technicians
- 7333 Electrical Mechanics
- 7334 Motorcycle and Other Related Mechanics
- 7335 Other Small Engine and Equipment Mechanics

**734 Upholsterers, Tailors, Shoe Repairers, Jewellers and Related Occupations**

- 7341 Upholsterers
- 7342 Tailors, Dressmakers, Furriers and Milliners
  - 7342.1 Tailors
  - 7342.2 Dressmakers
  - 7342.3 Furriers
  - 7342.4 Milliners
  - 7342.5 Alterationists
- 7343 Shoe Repairers and Shoemakers
  - 7343.1 Shoemakers
  - 7343.2 Shoe Repairers
- 7344 Jewellers, Watch Repairers and Related Occupations
  - 7344.1 Jewellers and Related Workers
  - 7344.2 Watch Repairers

**735 Stationary Engineers and Power Station and System Operators**

- 7351 Stationary Engineers and Auxiliary Equipment Operators
- 7352 Power Systems and Power Station Operators
  - 7352.1 Power Systems Operators
  - 7352.2 Power Station Operators

**736 Train Crew Operating Occupations**

- 7361 Railway and Yard Locomotive Engineers
  - 7361.1 Railway Locomotive Engineers
  - 7361.2 Yard Locomotive Engineers
- 7362 Railway Conductors and Brakemen/women
  - 7362.1 Railway Conductors
  - 7362.2 Brakemen/women

**737 Crane Operators, Drillers and Blasters**

- 7371 Crane Operators
- 7372 Drillers and Blasters – Surface Mining, Quarrying and Construction
  - 7372.1 Drillers – Surface Mining, Quarrying and Construction
  - 7372.2 Blasters – Surface Mining, Quarrying and Construction
- 7373 Water Well Drillers

**738 Printing Press Operators, Commercial Divers and Other Trades and Related Occupations, n.e.c.**

- 7381 Printing Press Operators
- 7382 Commercial Divers
- 7383 Other Trades and Related Occupations
  - 7383.1 Gunsmiths
  - 7383.2 Locksmiths
  - 7383.3 Recreation Vehicle Technicians
  - 7383.4 Safe and Vault Servicers
  - 7383.5 Saw Fitters

**MAJOR GROUP 74****INTERMEDIATE OCCUPATIONS IN TRANSPORT, EQUIPMENT OPERATION, INSTALLATION AND MAINTENANCE****741 Motor Vehicle and Transit Drivers**

- 7411 Truck Drivers
  - 7411.1 Long-Haul Truck Drivers
  - 7411.2 Line-Haul and Local Truck Drivers
- 7412 Bus Drivers and Subway and Other Transit Operators
  - 7412.1 Bus and Streetcar Drivers
  - 7412.2 School Bus Drivers
  - 7412.3 Subway Train and Light Rail Transit Operators
- 7413 Taxi and Limousine Drivers and Chauffeurs
  - 7413.1 Taxi and Limousine Drivers
  - 7413.2 Chauffeurs
- 7414 Delivery and Courier Service Drivers

**742 Heavy Equipment Operators**

- 7421 Heavy Equipment Operators (Except Crane)
- 7422 Public Works Maintenance Equipment Operators

**743 Other Transport Equipment Operators and Related Workers**

- 7431 Railway Yard Workers
- 7432 Railway Track Maintenance Workers
- 7433 Deck Crew, Water Transport
- 7434 Engine Room Crew, Water Transport
- 7435 Lock and Cable Ferry Operators and Related Occupations
  - 7435.1 Lock Equipment Operators
  - 7435.2 Cable Ferry Operators
  - 7435.3 Ferry Terminal Workers
- 7436 Boat Operators
- 7437 Air Transport Ramp Attendants

**744 Other Installers, Repairers and Servicers**

- 7441 Residential and Commercial Installers and Servicers
- 7442 Waterworks and Gas Maintenance Workers
  - 7442.1 Waterworks Maintenance Workers
  - 7442.2 Gas Maintenance Workers
- 7443 Automotive Mechanical Installers and Servicers
- 7444 Pest Controllers and Fumigators
- 7445 Other Repairers and Servicers

**745 Longshore Workers and Material Handlers**

- 7451 Longshore Workers
- 7452 Material Handlers
  - 7452.1 Material Handlers (Manual)
  - 7452.2 Material Handlers (Equipment Operators)

**MAJOR GROUP 76****TRADES HELPERS, CONSTRUCTION LABOURERS AND RELATED OCCUPATIONS****761 Trades Helpers and Labourers**

- 7611 Construction Trades Helpers and Labourers
- 7612 Other Trades Helpers and Labourers

**762 Public Works and Other Labourers, n.e.c.**

- 7621 Public Works and Maintenance Labourers
- 7622 Railway and Motor Transport Labourers
  - 7622.1 Railway Labourers
  - 7622.2 Motor Transport Labourers

# 7211 Supervisors, Machinists and Related Occupations

Supervisors in this group direct and co-ordinate the activities of workers classified in the following groups: *Machinists and Machining and Tooling Inspectors* (7231), *Tool and Die Makers* (7232) and *Machining Tool Operators* (9511).

<

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to establish methods to meet work schedules and co-ordinate activities with other departments, and to recommend measures for improved productivity
- **Verbal ability** to recommend personnel actions, such as hirings and promotions, and to train and arrange for training of workers
- **Clerical perception** to prepare production and other reports and to requisition materials and supplies
- **Directive interest** in **supervising** activities of workers who machine metal into parts, products, tools and dies and moulds with precise dimensions; and in ensuring that standards for safe working conditions are observed; may also supervise activities of related apprentices, helpers and labourers
- **Innovative interest** in **co-ordinating** and scheduling the activities of workers; and in resolving work problems
- **Objective interest** in **setting up** machines and equipment when required; and in writing programs for computer numerically controlled (CNC) machine tools as required



---

**Physical Activities**


---

**Vision**

3 Near and far vision

**Colour Discrimination**

0 Not relevant

**Hearing**

2 Verbal interaction

**Body Position**

3 Sitting, standing, walking

**Limb Co-ordination**

1 Upper limb co-ordination

**Strength**

2 Light

---

**Environmental Conditions**


---

**Location**

L1 Regulated inside climate

**Discomforts**

D1 Noise

---

**Employment Requirements**


---

**Education/Training**

4+, 5+, R

- Completion of secondary school is usually required.
- Several years of experience as a qualified machinist or tool and die maker are required.
- Trade certification in machining or tool and die making is required.

---

**Workplaces/Employers**


---

Machine shops

Metal products manufacturing companies

---

**Similar Occupations Classified Elsewhere**


---

CAD/CAM and CMM programmers (in 2233 *Industrial Engineering and Manufacturing Technicians and Technologists*)

*Contractors and Supervisors, Metal Forming, Shaping and Erecting Trades (7214)*



7212

Contractors and Supervisors, Electrical Trades and Telecommunications Occupations

Contractors in this group include telecommunications and electrical trade contractors who own and operate their own businesses. Supervisors in this group direct and co-ordinate the activities of workers classified in the following groups: *Electricians* (7241), *Industrial Electricians* (7242), *Power System Electricians* (7243), *Electrical Power Line and Cable Workers* (7244), *Telecommunications Line and Cable Workers* (7245), *Telecommunications Installation and Repair Workers* (7246) and *Cable Television Service and Maintenance Technicians* (7247).

Profile Summary										Examples of Job Titles									
APTITUDES										electrical contractor									
G	V	N	S	P	Q	K	F	M		foreman/woman, cablevision technicians									
3	3	3	3	3	3	3	4	3		foreman/woman, construction electricians									
INTERESTS										foreman/woman, industrial electricians									
Dio										foreman/woman, power line and cable workers									
DATA PEOPLE THINGS (DPT)										foreman/woman, power system electricians									
138										foreman/woman, telecommunications installation and repair workers									
PHYSICAL ACTIVITIES (PA)										supervisor, cable maintenance and repair									
V	C	H	B	L	S					supervisor, plant electricians									
3	1	2	3	0	1					supervisor, residential electricians									
ENVIRONMENTAL CONDITIONS (EC)																			
L1, L3																			
EDUCATION/TRAINING																			
4+, 5+, 6+, R																			

Descriptor Profile	
<div><div>Main Characteristics</div><p>Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:</p><ul style="list-style-type: none"><li><b>General learning ability</b> to establish methods to meet work schedules and co-ordinate activities with other subcontractors and departments, and to recommend measures for improved productivity; may manage the operations of own company</li></ul></div>	<ul style="list-style-type: none"><li><b>Verbal ability</b> to recommend personnel actions, such as hirings and promotions, and to train and arrange for training of workers</li></ul>
	<ul style="list-style-type: none"><li><b>Clerical perception</b> to prepare progress reports and requisition materials and supplies</li><li><b>Directive interest in supervising</b> the activities of workers who install, repair and maintain electrical wiring, fixtures and control devices, power systems, telecommunication systems and cablevision systems; and in ensuring that standards for safe working conditions are observed; may supervise activities of related workers</li></ul>
	<ul style="list-style-type: none"><li><b>Innovative interest in co-ordinating</b> and scheduling the activities of workers; and in resolving problems; may co-ordinate and schedule activities of apprentices, helpers and labourers</li><li><b>Objective interest</b> in understanding the functioning of equipment and machinery and the production procedures used in electrical trades and telecommunications</li></ul>

---

**Physical Activities**


---

Vision  
3 Near and far vision

Colour Discrimination  
1 Relevant

Hearing  
2 Verbal interaction

Body Position  
3 Sitting, standing, walking

Limb Co-ordination  
0 Not relevant

Strength  
1 Limited

---

**Environmental Conditions**


---

Location  
L1 Regulated inside climate  
L3 Outside

---

**Employment Requirements**


---

Education/Training  
4+, 5+, 6+, R

- Completion of secondary school is usually required.
- Several years of experience as a qualified tradesperson in a relevant trade are required.
- Journeyman/woman trade certification in a relevant trade is required.

---

**Workplaces/Employers**


---

For workplaces/employers, refer to individual groups supervised

Self-employment

---

**Occupational Options**


---

There is some mobility among jobs within a specific trade; however, there is little or no intertrade mobility.

# 7213 Contractors and Supervisors, Pipefitting Trades

Contractors in this group include plumbing and other pipefitting trade contractors who own and operate their own businesses. Supervisors in this group direct and co-ordinate the activities of workers classified in the following groups: *Plumbers* (7251), *Steamfitters, Pipefitters and Sprinkler System Installers* (7252) and *Gas Fitters* (7253).

Profile Summary									Examples of Job Titles		
APTITUDES									contractor, pipefitting		
G	V	N	S	P	Q	K	F	M	contractor, plumbing		
3	3	3	3	3	3	3	4	3	foreman/woman, gas fitters		
INTERESTS									foreman/woman, pipefitters		
Dio									foreman/woman, plumbers		
DATA PEOPLE THINGS (DPT)									foreman/woman, sprinkler system installers		
138									foreman/woman, steamfitters		
PHYSICAL ACTIVITIES (PA)									supervisor, gas fitters		
V	C	H	B	L	S				supervisor, plumbers		
3	0	2	3	0	1				supervisor, steamfitters		
ENVIRONMENTAL CONDITIONS (EC)											
L1, H3											
EDUCATION/TRAINING											
4+, 5+, R											

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to establish methods to meet work schedules and co-ordinate activities with other departments, and to recommend measures for improved productivity; may manage the operations of own company

- **Verbal ability** to recommend personnel actions, such as hirings and promotions, and to train and arrange for training of workers
- **Clerical perception** to requisition materials and supplies, and to prepare schedules and other reports
- **Directive interest** in **supervising** activities of workers who install, repair and maintain piping systems used for the transmission of steam, heat, water, oil and other liquids and gases in residential, commercial, industrial and other installations; and in ensuring that standards for safe working conditions are observed; may supervise activities of related workers

- **Innovative interest** in **co-ordinating** and scheduling the activities of workers; and in resolving work problems; may co-ordinate and schedule the activities of apprentices, helpers and labourers
- **Objective interest** in understanding the functioning of equipment and machinery used in the plumbing and pipefitting trades

---

**Physical Activities**


---

**Vision**

3 Near and far vision

**Colour Discrimination**

0 Not relevant

**Hearing**

2 Verbal interaction

**Body Position**

3 Sitting, standing, walking

**Limb Co-ordination**

0 Not relevant

**Strength**

1 Limited

---

**Environmental Conditions**


---

**Location**

L1 Regulated inside climate

**Hazards**

H3 Equipment, machinery, tools

---

**Employment Requirements**


---

**Education/Training**

4+, 5+, R

- Completion of secondary school is usually required.
- Several years of experience as a qualified tradesperson in a relevant trade are required.
- Journeyman/woman trade certification in a relevant trade is required.

---

**Workplaces/Employers**


---

Construction companies

Maintenance departments of industrial, commercial and manufacturing establishments

Mechanical, plumbing and pipefitting trade contractors

Self-employment

---

**Occupational Options**


---

There is little or no intertrade mobility among supervisors in this group.

# 7214 Contractors and Supervisors, Metal Forming, Shaping and Erecting Trades

Contractors in this group include sheet metal, ironwork, welding and boilermaking trade contractors who own and operate their own businesses. Supervisors in this group direct and co-ordinate the activities of workers classified in the following groups: *Sheet Metal Workers* (7261), *Boilermakers* (7262), *Structural Metal and Platework Fabricators and Fitters* (7263), *Ironworkers* (7264), *Welders and Related Machine Operators* (7265) and *Blacksmiths and Die Setters* (7266).

Profile Summary										Examples of Job Titles
<b>APTITUDES</b>										contractor, ironwork foreman/woman, blacksmiths foreman/woman, boilermakers foreman/woman, ironworkers supervisor, boilermakers supervisor, sheet metal workers supervisor, structural metal fitters supervisor, welders
G	V	N	S	P	Q	K	F	M		
3	3	3	3	3	3	3	4	3		
<b>INTERESTS</b>										
Dio										
<b>DATA PEOPLE THINGS (DPT)</b>										
130										
<b>PHYSICAL ACTIVITIES (PA)</b>										
V	C	H	B	L	S					
3	0	2	3	1	2					
<b>ENVIRONMENTAL CONDITIONS (EC)</b>										
L1, D1										
<b>EDUCATION/TRAINING</b>										
4+, 5+, R										

Descriptor Profile		
Main Characteristics		
Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:		
▪ <b>General learning ability</b> to establish methods to meet work schedules and co-ordinate activities with other departments, and to recommend measures for improved productivity; may manage operations of own company	▪ <b>Verbal ability</b> to recommend personnel actions, such as hirings and promotions, and to train and arrange for training of workers	▪ <b>Innovative interest</b> in <b>co-ordinating</b> and scheduling activities of workers; and in resolving problems; may co-ordinate and schedule activities of apprentices, machine operators, helpers and labourers
	▪ <b>Clerical perception</b> to requisition materials and supplies, and to prepare production and other reports	▪ <b>Objective interest</b> in <b>setting up</b> machines and equipment
	▪ <b>Directive interest</b> in <b>supervising</b> the activities of workers who shape, form and join metal parts and products to specified dimensions and erect light and heavy metal products and structures; and in ensuring that standards for safe working conditions are observed; may supervise activities of related workers	

Physical Activities

- Vision  
3 Near and far vision
- Colour Discrimination  
0 Not relevant
- Hearing  
2 Verbal interaction
- Body Position  
3 Sitting, standing, walking
- Limb Co-ordination  
1 Upper limb co-ordination
- Strength  
2 Light

Environmental Conditions

- Location  
L1 Regulated inside climate
- Discomforts  
D1 Noise

Employment Requirements

- Education/Training  
4+, 5+, R
- Completion of secondary school is usually required.
  - Several years of experience as a qualified tradesperson in a relevant trade are required.
  - Journeyman/woman trade certification in a relevant trade is required.

Workplaces/Employers

Self-employment

Structural, platework and related metal products fabrication, manufacturing and erecting companies

Occupational Options

There is little or no intertrade mobility among the supervisors in this group.

Similar Occupations Classified Elsewhere

*Supervisors, Other Mechanical and Metal Products Manufacturing (9226)*



# 7215 Contractors and Supervisors, Carpentry Trades

Contractors in this group include carpentry and cabinetmaking trade contractors who own and operate their own businesses. Supervisors in this group direct and co-ordinate the activities of workers classified in the following groups: *Carpenters* (7271) and *Cabinetmakers* (7272).

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	3	3	3	3	3	3	4	3

### INTERESTS

Dio

### DATA PEOPLE THINGS (DPT)

138

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
3	0	2	3	0	1

### ENVIRONMENTAL CONDITIONS (EC)

L1, L2, L3, D1

### EDUCATION/TRAINING

4+, 5+, R

## Examples of Job Titles

cabinetmaking contractor  
carpentry contractor  
foreman/woman, finish carpenters  
foreman/woman, form builders  
foreman/woman, framers  
foreman/woman, maintenance carpenters  
supervisor, carpenters

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to establish methods to meet work schedules and co-ordinate activities with other departments, and to recommend measures for improved productivity; may manage the operations of own company
- **Verbal ability** to recommend personnel actions such as hirings and promotions, and to train and arrange for training of workers
- **Clerical perception** to requisition materials and supplies, and to prepare schedules and other reports
- **Directive interest in supervising** the activities of carpenters who construct, renovate and maintain structures of wood and other building materials and who build and install interior finishing in residential, commercial and industrial buildings, and of cabinetmakers who construct and repair custom wooden cabinets, furniture, fixtures and related products; an in ensuring that standards for safe working conditions are observed; may supervise activities of related workers
- **Innovative interest in co-ordinating** and scheduling the activities of carpenters; and in resolving problems; may co-ordinate and schedule the activities of apprentices, helpers and labourers
- **Objective interest** in understanding the functioning of equipment and machinery and production procedures used in carpentry



---

**Physical Activities**


---

**Vision**

- 3 Near and far vision

**Colour Discrimination**

- 0 Not relevant

**Hearing**

- 2 Verbal interaction

**Body Position**

- 3 Sitting, standing, walking

**Limb Co-ordination**

- 0 Not relevant

**Strength**

- 1 Limited

---

**Environmental Conditions**


---

**Location**

- L1 Regulated inside climate  
L2 Unregulated inside climate  
L3 Outside

**Discomforts**

- D1 Noise

---

**Employment Requirements**


---

**Education/Training**

4+, 5+, R

- Completion of secondary school is usually required.
- Several years of experience as a qualified carpenter or cabinetmaker are usually required.
- Journeyman/woman trade certification as a carpenter or cabinetmaker is usually required.

---

**Workplaces/Employers**


---

Carpentry contractors

Construction companies

Custom furniture and fixture  
manufacturing or repair companies

Maintenance departments of industrial  
establishments

Self-employment

---

**Occupational Options**


---

There is some mobility among jobs within a specific trade; however, there is little or no intertrade mobility.

---

**Similar Occupations Classified Elsewhere**


---

*Construction Managers* (0711)

*Residential Home Builders and Renovators* (0712)

*Supervisors, Furniture and Fixtures Manufacturing* (9224)

7216

Contractors and Supervisors, Mechanic Trades

Contractors in this group include heating, refrigeration, air conditioning, millwrighting and elevator installation trade contractors who own and operate their own businesses. Supervisors in this group direct and co-ordinate the activities of workers classified within the following minor groups: *Machinery and Transportation Equipment Mechanics (Except Motor Vehicle) (731)*, *Automotive Service Technicians (732)* and *Other Mechanics (733)*.

Profile Summary									Examples of Job Titles			
<b>APTITUDES</b>									contractor, heating systems			
G	V	N	S	P	Q	K	F	M	foreman/woman, air conditioning and refrigeration mechanics			
3	3	3	3	3	3	3	4	3	foreman/woman, aircraft mechanics and inspectors			
<b>INTERESTS</b>									foreman/woman, electrical mechanics			
Dio									foreman/woman, heating systems mechanics			
<b>DATA PEOPLE THINGS (DPT)</b>									foreman/woman, heavy-duty equipment mechanics			
138									foreman/woman, printing machine repairers			
<b>PHYSICAL ACTIVITIES (PA)</b>									foreman/woman, railway car repairers			
V	C	H	B	L	S				foreman/woman, railway equipment maintenance inspectors			
3	0	2	3	0	1				foreman/woman, textile machine mechanics			
<b>ENVIRONMENTAL CONDITIONS (EC)</b>									supervisor, aircraft maintenance engineers (AME)			
L1									supervisor, appliance repair shop			
<b>EDUCATION/TRAINING</b>									supervisor, industrial mechanics			
4+, 5+, 6+, R									supervisor, motor vehicle repair shop			
									supervisor, small-engine repair shop			

Descriptor Profile

Main Characteristics			
Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:			
■ <b>General learning ability</b> to establish methods to meet work schedules and co-ordinate activities with other departments, and to recommend measures for improved productivity; may manage the operations of own company		■ <b>Clerical perception</b> to prepare production and other reports, and to requisition materials and supplies	■ <b>Innovative interest</b> in co-ordinating and scheduling the activities of workers in the mechanical trades; and in resolving problems; may co-ordinate and schedule the activities of apprentices, helpers and labourers
		■ <b>Directive interest</b> in supervising the activities of workers who repair and maintain aircraft, railway locomotives and cars, industrial machinery and equipment, construction and other heavy equipment, textile equipment, printing machines, transformers and other electrical equipment, motor vehicles, air conditioning and refrigeration equipment, electric appliances and other equipment such as motorcycles, outboard motors and snowmobiles; and in ensuring that standards for safe working conditions are observed; may supervise the activities of related workers	■ <b>Objective interest</b> in understanding the functioning of equipment and machinery and production procedures used in mechanical trades
■ <b>Verbal ability</b> to recommend personnel actions, such as hiring and promotions, and to train and arrange for training of workers			

---

**Physical Activities**


---

**Vision**

3 Near and far vision

**Colour Discrimination**

0 Not relevant

**Hearing**

2 Verbal interaction

**Body Position**

3 Sitting, standing, walking

**Limb Co-ordination**

0 Not relevant

**Strength**

1 Limited

---

**Environmental Conditions**


---

**Location**

L1 Regulated inside climate

---

**Employment Requirements**


---

**Education/Training**

4+, 5+, 6+, R

- Completion of secondary school is usually required.
- Several years of experience as a qualified tradesperson in a relevant trade are usually required.
- Journeyman/woman trade certification in a relevant trade is required.

---

**Workplaces/Employers**


---

For workplaces/employers, refer to individual groups supervised

Self-employment

---

**Occupational Options**


---

There is little or no intertrade job mobility among the supervisors classified in this group.

# 7217 Contractors and Supervisors, Heavy Construction Equipment Crews

Contractors in this group include excavating, grading, paving, drilling and blasting contractors who own and operate their own business. Supervisors in this group direct and co-ordinate the activities of workers classified in the following groups: *Crane Operators* (7371), *Drillers and Blasters – Surface Mining, Quarrying and Construction* (7372), *Heavy Equipment Operators (Except Crane)* (7421), *Longshore Workers* (7451), *Material Handlers* (7452), *Public Works Maintenance Equipment Operators* (7422), *Railway Track Maintenance Workers* (7432) and *Water Well Drillers* (7373).

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	3	3	3	3	3	3	4	3

### INTERESTS

Dio

### DATA PEOPLE THINGS (DPT)

138

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
3	0	2	3	0	1

### ENVIRONMENTAL CONDITIONS (EC)

L1, L3, H8, D1, D4

### EDUCATION/TRAINING

4+, 5+, R

## Examples of Job Titles

excavating contractor  
foreman/woman, demolition  
foreman/woman, drilling and blasting – construction  
foreman/woman, logging road construction  
foreman/woman, railway gang  
foreman/woman, railway track maintenance  
paving contractor  
pipeline construction supervisor  
road maintenance foreman/woman  
section foreman/woman, railway supervisor, heavy equipment operators  
supervisor, oilfield construction  
supervisor, water well drilling  
track foreman/woman – railway

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to establish methods to meet work schedules and co-ordinate activities with other project supervisors and managers, and to recommend measures for improved productivity; may manage the operations of own company
- **Verbal ability** to recommend personnel actions, such as hirings and promotions, and to train and arrange for training of workers
- **Clerical perception** to prepare production and other reports, and to requisition materials and supplies
- **Directive interest** in **supervising** the activities of workers who operate cranes and construction, paving, drilling, railway maintenance and other similar heavy equipment; may supervise activities of related workers
- **Innovative interest** in **co-ordinating** and scheduling the activities of workers on heavy construction equipment crews; and in resolving problems; may co-ordinate and schedule the activities of apprentices, helpers and labourers
- **Objective interest** in understanding the functioning of equipment and machinery and procedures used by heavy construction equipment crews

---

**Physical Activities**


---

**Vision**

- 3 Near and far vision

**Colour Discrimination**

- 0 Not relevant

**Hearing**

- 2 Verbal interaction

**Body Position**

- 3 Sitting, standing, walking

**Limb Co-ordination**

- 0 Not relevant

**Strength**

- 1 Limited

---

**Environmental Conditions**


---

**Location**

- L1 Regulated inside climate  
L3 Outside

**Hazards**

- H8 Dangerous locations

**Discomforts**

- D1 Noise  
D4 Non-toxic dusts

---

**Employment Requirements**


---

**Education/Training**

4+, 5+, R

- Completion of secondary school is usually required.
- Several years of experience in the occupation supervised are required.
- Journeyman/woman trade certification in a relevant trade may be required.

---

**Workplaces/Employers**


---

For workplaces/employers, refer to individual groups supervised

Self-employment

---

**Occupational Options**


---

There is some mobility among occupations classified in this group.

---

**Similar Occupations Classified Elsewhere**


---

Supervisors of heavy equipment mechanics (in 7216 *Contractors and Supervisors, Mechanic Trades*)

Supervisors of logging machinery operators (in 8211 *Supervisors, Logging and Forestry*)

# 7218 Supervisors, Printing and Related Occupations

Supervisors in this group direct and co-ordinate the activities of workers who produce camera work, printing plates and cylinders; process film; print text and illustrations on paper, metal and other material; and bind and finish printed products.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	3	4	3	3	3	3	3	3

### INTERESTS

Dio

### DATA PEOPLE THINGS (DPT)

138

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
3	1	2	3	0	1

### ENVIRONMENTAL CONDITIONS (EC)

L1, H1\*

### EDUCATION/TRAINING

4+, 5+, 6+, R

## Examples of Job Titles

- bindery foreman/woman – printing
- bindery supervisor – printing
- composing room supervisor – printing
- film processing supervisor
- finishing supervisor – printing
- photographic and film processing foreman/woman
- platemaking supervisor – printing
- preparatory supervisor – printing
- prepress supervisor – printing
- pressroom supervisor – printing
- printing supervisor

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to establish methods to meet work schedules and co-ordinate activities with other departments, and to recommend measures for improved productivity and product quality
- **Verbal ability** to recommend personnel actions, such as hirings and promotions, and to train staff in job duties, safety procedures and company policies
- **Clerical perception** to prepare production and other reports, and to requisition materials and supplies
- **Directive interest** in **supervising** the activities of workers who produce camera work, printing plates and cylinders, process film and print, bind and finish books, newspapers, business forms and other printed products; and in reviewing job proofs and samples to ensure quality of work meets client specifications
- **Innovative interest** in **co-ordinating** and scheduling the activities of workers involved in printing and related occupations; and in resolving problems
- **Objective interest** in providing technical advice and hands-on training to staff; may set up machines and equipment



---

**Physical Activities**


---

**Vision**  
3 Near and far vision

**Colour Discrimination**  
1 Relevant

**Hearing**  
2 Verbal interaction

**Body Position**  
3 Sitting, standing, walking

**Limb Co-ordination**  
0 Not relevant

**Strength**  
1 Limited

---

**Environmental Conditions**


---

**Location**  
L1 Regulated inside climate

**Hazards**  
H1\* Dangerous chemical substances

---

**Employment Requirements**


---

**Education/Training**  
4+, 5+, 6+, R

- Completion of secondary school is required.
- Completion of a college program in graphic arts technology may be required.
- Several years of experience in the work area supervised is usually required.
- Provincial trade certification may be required for some occupations in this group.

---

**Workplaces/Employers**


---

Commercial printing companies  
In-house printing departments of private and public sector establishments  
Publishing and printing companies

---

**Occupational Options**


---

Progression to management positions, such as department, production or plant manager, is possible with experience.

---

**Similar Occupations Classified Elsewhere**


---

Printing plant managers (in 0911 *Manufacturing Managers*)

Supervisors of desktop publishing operators (in 1211 *Supervisors, General Office and Administrative Support Clerks*)

---

**Remarks**


---

\*Environmental Conditions

- For some occupations in this group, **Hazards H1** (Dangerous chemical substances) may also apply.



# 7219 Contractors and Supervisors, Other Construction Trades, Installers, Repairers and Servicers

Contractors in this group include roofing, masonry, painting and other construction trade contractors, not elsewhere classified, who own and operate their own business. Supervisors in this group direct and co-ordinate the activities of tradespersons, installers, repairers and servicers classified in the following minor groups: *Masonry and Plastering Trades* (728), *Other Construction Trades* (729) and *Other Installers, Repairers and Servicers* (744). This group also includes prefabricated product installation and service contractors and proprietors of some repair and service establishments.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	3	3	3	3	3	3	4	3

### INTERESTS

Dio

### DATA PEOPLE THINGS (DPT)

138

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
3	1	2	3	1	1

### ENVIRONMENTAL CONDITIONS (EC)

L1, L3

### EDUCATION/TRAINING

4+, 5+, R

## Examples of Job Titles

bricklaying contractor  
cement finishing contractor  
foreman/woman, glaziers  
foreman/woman, insulators  
foreman/woman, plasterers  
painting contractor  
pest control supervisor  
roofing contractor  
supervisor, bicycle repair shop  
supervisor, painters and decorators  
supervisor, tilesetters

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to establish methods to meet work schedules and co-ordinate activities with other subcontractors, and to recommend measures for improved productivity and product quality; may manage the operations of own company
- **Verbal ability** to recommend personnel actions such as hirings and promotions, and to conduct staff training
- **Clerical perception** to prepare work progress reports and requisition materials and supplies
- **Directive interest in supervising** the activities of construction workers engaged in bricklaying, roofing, cement finishing, tilesetting, plastering, drywall installation, glazing, insulating and painting, workers who install and service prefabricated products in residential and commercial properties, and workers who repair a wide variety of products such as musical instruments, sports equipment, vending machines, bicycles and cameras; may supervise the activities of related workers
- **Innovative interest in co-ordinating** and scheduling the activities of workers in construction trades, installers, repairers and servicers; and in resolving problems; may co-ordinate and schedule the activities of apprentices, helpers and labourers
- **Objective interest** in training workers in duties, safety procedures and company policies

---

## Physical Activities

---

### Vision

- 3 Near and far vision

### Colour Discrimination

- 1 Relevant

### Hearing

- 2 Verbal interaction

### Body Position

- 3 Sitting, standing, walking

### Limb Co-ordination

- 1 Upper limb co-ordination

### Strength

- 1 Limited

---

## Environmental Conditions

---

### Location

- L1 Regulated inside climate
- L3 Outside

---

## Employment Requirements

---

### Education/Training

4+, 5+, R

- Completion of secondary school is usually required.
- Several years of experience in the trade or in the work area supervised are usually required.
- Journeyman/woman trade certification may be required for some occupations in this group.

---

## Workplaces/Employers

---

For workplaces/employers, refer to individual groups supervised

---

## Occupational Options

---

There is little or no mobility among supervisors in this group.

---

## Similar Occupations Classified Elsewhere

---

*Contractors and Supervisors, Carpentry Trades (7215)*

*Contractors and Supervisors, Pipefitting Trades (7213)*

Electrical contractors and supervisors of electricians (in 7212 *Contractors and Supervisors, Electrical Trades and Telecommunications Occupations*)

Ironwork contractors and supervisors of ironworkers (in 7214 *Contractors and Supervisors, Metal Forming, Shaping and Erecting Trades*)

7221

Supervisors, Railway Transport Operations

Supervisors in this group direct and co-ordinate the activities of railway and yard locomotive engineers, railway yard workers and railway labourers.

Profile Summary

APTITUDES

G	V	N	S	P	Q	K	F	M
3	3	4	3	3	3	4	4	3

INTERESTS

Dim

DATA PEOPLE THINGS (DPT)

138

PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
3	0	2	3	1	1

ENVIRONMENTAL CONDITIONS (EC)

L1, L3

EDUCATION/TRAINING

4+, R

Examples of Job Titles

railway transport operations supervisor  
road foreman/woman, freight train  
stationmaster  
trainmaster  
yard foreman/woman – railway  
yardmaster – railway

Descriptor Profile

Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to establish methods to meet work schedules and co-ordinate activities with other units, and to recommend measures for improved performance
- **Verbal ability** to recommend personnel actions such as hirings and promotions, and to conduct staff training
  - **Clerical perception** to prepare reports and requisition materials and supplies
  - **Directive interest** in **supervising** the activities of workers who operate trains, drive locomotives in railway yards and perform other duties related to railway operations
- **Innovative interest** in **co-ordinating** and scheduling the activities of workers in railway transport operations; and in resolving problems
  - **Methodical interest** in training staff in duties, safety procedures and company policies

---

**Physical Activities**


---

**Vision**  
3 Near and far vision

**Colour Discrimination**  
0 Not relevant

**Hearing**  
2 Verbal interaction

**Body Position**  
3 Sitting, standing, walking

**Limb Co-ordination**  
1 Upper limb co-ordination

**Strength**  
1 Limited

---

**Environmental Conditions**


---

**Location**  
L1 Regulated inside climate  
L3 Outside

---

**Employment Requirements**


---

**Education/Training**  
4+, R

- Completion of secondary school is usually required.
- A Canadian Rail Operating Rules certificate is required.
- A certificate of the "Railway Employee Qualification Standards Regulations" is required.
- Several years of railway operations experience are required.

---

**Workplaces/Employers**


---

Railway transport companies

---

**Similar Occupations Classified Elsewhere**


---

Supervisors of railway car repairers and locomotive mechanics (in 7216 *Contractors and Supervisors, Mechanic Trades*)

Supervisors of railway track maintenance crews (in 7217 *Contractors and Supervisors, Heavy Construction Equipment Crews*)

7222

Supervisors, Motor Transport and Other Ground Transit Operators

Supervisors in this group direct and co-ordinate activities of truck drivers, bus drivers, delivery drivers, subway and other transit operators, chauffeurs and taxi and limousine drivers. This group also includes bus dispatchers who co-ordinate the activities of transit system bus drivers and subway traffic controllers who operate and monitor signal and track switch control panels.

Profile Summary										Examples of Job Titles									
APTITUDES																			
G	V	N	S	P	Q	K	F	M		bus inspector									
3	3	3	3	4	3	3	4	3		dispatcher, bus									
INTERESTS																			
Dim										foreman/woman, truck drivers									
DATA PEOPLE THINGS (DPT)																			
138										foreman/woman, urban transit system									
PHYSICAL ACTIVITIES (PA)																			
V	C	H	B	L	S														
2	0	2	1	1	1					mobile inspector, transit									
ENVIRONMENTAL CONDITIONS (EC)																			
L1, L3										subway traffic controller									
EDUCATION/TRAINING																			
4+										supervisor, light rail transit (LRT) operators									
										supervisor, school bus drivers									
										supervisor, subway operators									

Descriptor Profile		
Main Characteristics		
Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:		
General learning ability to establish methods to meet work schedules and co-ordinate activities with other units, and to recommend measures for improved performance	Numerical ability to prepare budgets and monitor expenditures	
	Spatial perception, motor co-ordination and manual dexterity to operate signal and track switch control panels of subway systems	
	Clerical perception to prepare reports and requisition materials and supplies	
	Directive interest in supervising the activities of workers who operate trucks, buses, subway trains, light rail transit, street cars, taxis and other transport vehicles; and in dispatching bus drivers, monitoring routes to ensure schedules are met and resolving operating problems	
Verbal ability to recommend personnel actions such as hirings and promotions, and to train staff in duties, safety procedures and company policies	Innovative interest in co-ordinating and scheduling the activities of workers in motor transport and other ground transit operations; and in resolving work problems	
	Methodical interest in monitoring routes, signal and track switch control panels	

## Physical Activities

### Vision

- 2 Near vision

### Colour Discrimination

- 0 Not relevant

### Hearing

- 2 Verbal interaction

### Body Position

- 1 Sitting

### Limb Co-ordination

- 1 Upper limb co-ordination

### Strength

- 1 Limited

## Environmental Conditions

### Location

- L1 Regulated inside climate
- L3 Outside

## Employment Requirements

### Education/Training

4+

- Completion of secondary school is usually required.
- Several years of experience as a driver or operator of motor transport or ground transit equipment are usually required.

## Workplaces/Employers

Ground transit companies

Motor transportation companies

Urban transit systems

## Occupational Options

There is little mobility among occupations in the different transportation sectors of this group.

## Similar Occupations Classified Elsewhere

*Supervisors, Railway Transport Operations (7221)*

Train dispatchers (in 2275 *Railway Traffic Controllers and Marine Traffic Regulators*)

Truck transport and taxi dispatchers (in 1475 *Dispatchers and Radio Operators*)



# 7231.1 Machinists

Machinists set up and operate a variety of machine tools to cut and grind metal, plastic and other materials to make and modify parts and products with precise dimensions.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	3	3	2	2	4	3	2	2

### INTERESTS

OIM

### DATA PEOPLE THINGS (DPT)

380

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
1	0	1	4	1	3

### ENVIRONMENTAL CONDITIONS (EC)

L1, H3, H6, D1

### EDUCATION/TRAINING

4+, 5, R

## Examples of Job Titles

automotive machinist

aviation machinist

general machinist

machinist

machinist apprentice

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to set up, operate and maintain a variety of machine tools including computer numerically controlled (CNC) tools for precision, non-repetitive machining operations
- **Numerical ability** to compute dimensions and tolerances, and to measure and lay out work pieces
- **Spatial and form perception** to read and interpret engineering drawings, blueprints, charts and tables and to study sample parts in order to determine necessary machining operations
- **Finger and manual dexterity** to fit and assemble machined metal parts and subassemblies using hand and power tools
- **Objective interest in setting up** and programming machine tools for use by machining tool operators when required
- **Innovative interest** in performing precision machining operations such as sawing, turning, milling, boring, planing, drilling, precision grinding and other operations, and in planning best sequence of operations
- **Methodical interest in compiling** information to verify dimensions of products for accuracy and conformance to specifications using precision measuring instruments



## Physical Activities

**Vision**  
1 Close visual acuity

**Colour Discrimination**  
0 Not relevant

**Hearing**  
1 Limited

**Body Position**  
4 Other body positions

**Limb Co-ordination**  
1 Upper limb co-ordination

**Strength**  
3 Medium

## Environmental Conditions

**Location**  
L1 Regulated inside climate

**Hazards**  
H3 Equipment, machinery, tools  
H6 Flying particles, falling objects

**Discomforts**  
D1 Noise

## Employment Requirements

**Education/Training**  
4+, 5, R

- Completion of secondary school is usually required.
- Completion of a four-year apprenticeship program *or* a combination of over four years of work experience in the trade and some college or industry courses in machining is usually required to be eligible for trade certification.
- Trade certification for machinists is available, but voluntary, in all provinces and territories.
- Trade certification for automotive machinists is available, but voluntary in Ontario.
- Trade certification for machinists (CNC) is available, but voluntary in New Brunswick.
- Interprovincial trade certification (Red Seal) is also available to qualified machinists.
- Familiarity with exotic and composite materials may be required for machinists in aviation and other advanced manufacturing sectors.

## Workplaces/Employers

Machine shops

Machinery, equipment, motor vehicle, automotive parts, aircraft and other metal products manufacturing companies

## Occupational Options

Progression to supervisory positions is possible with experience.

Red Seal trade certification allows for interprovincial mobility.

## Similar Occupations Classified Elsewhere

CAD/CAM and CNC programmers (in 2233 *Industrial Engineering and Manufacturing Technologists*)

*Machining Tool Operators* (9511)

*Supervisors, Machinists and Related Occupations* (7211)

*Tool and Die Makers* (7232)

# 7231.2 Machining and Tooling Inspectors

Machining and tooling inspectors examine machined parts and tooling to maintain quality control standards.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	3	3	3	2	3	3	3	3

### INTERESTS

OMI

### DATA PEOPLE THINGS (DPT)

381

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
1	0	1	3	1	2

### ENVIRONMENTAL CONDITIONS (EC)

L1, D1

### EDUCATION/TRAINING

4+, 5, R

## Examples of Job Titles

machine shop inspector  
machined parts inspector  
machining inspector  
tooling inspector

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning** and **verbal ability** to inspect machined parts and tooling, and to report deviations from specifications and tolerances to supervisor
- **Form perception** to notice physical defects such as wear, surface defects and warping, and to recognize finish and completeness when inspecting products, tools, parts, materials and assemblies
- **Clerical perception** to maintain inspection records and complete reports
- **Objective interest** in **precision working** to maintain and calibrate precision instruments such as dial indicators, fixed gauges, height gauges and other measuring devices
- **Methodical interest** in **compiling** information to verify dimensions of machined parts and tooling using micrometers, vernier callipers, height gauges, optical comparators, co-ordinate measuring machines (CMM) and other specialized measuring instruments
- **Innovative interest** in repairing precision measuring instruments

### Physical Activities

#### Vision

- 1 Close visual acuity

#### Colour Discrimination

- 0 Not relevant

#### Hearing

- 1 Limited

#### Body Position

- 3 Sitting, standing, walking

#### Limb Co-ordination

- 1 Upper limb co-ordination

#### Strength

- 2 Light

### Environmental Conditions

#### Location

- L1 Regulated inside climate

#### Discomforts

- D1 Noise

### Employment Requirements

#### Education/Training

4+, 5, R

- Completion of secondary school is usually required.
- Completion of a four-year apprenticeship program  
or  
a combination of over four years of work experience in the trade and some college or industry courses in machining is usually required to be eligible for trade certification.
- Trade certification for machinists is available, but voluntary, in all provinces and territories.
- Interprovincial trade certification (Red Seal) is also available to qualified machinists.
- Several years of experience as a machinist, tool and die maker or machining tool operator may be required for machining and tooling inspectors.

### Workplaces/Employers

Machine shops

Machinery, equipment, motor vehicle, automotive parts, aircraft and other metal products manufacturing companies

### Occupational Options

Progression to supervisory positions is possible with experience.

Red Seal trade certification allows for interprovincial mobility.

### Similar Occupations Classified Elsewhere

CAD/CAM and CNC programmers (in 2233 *Industrial Engineering and Manufacturing Technologists*)

*Machining Tool Operators* (9511)

*Supervisors, Machinists and Related Occupations* (7211)

*Tool and Die Makers* (7232)

# 7232.1 Tool and Die Makers

Tool and die makers make, modify and repair custom-made, prototype and special tools, dies, jigs, fixtures and gauges using various metals, alloys and plastics that require precise dimensions.

Profile Summary										Examples of Job Titles									
APTITUDES										die finisher die maker jig maker tool and die maker tool and die maker apprentice toolmaker									
G	V	N	S	P	Q	K	F	M											
3	3	3	2	2	4	3	2	2											
INTERESTS																			
OIM																			
DATA PEOPLE THINGS (DPT)																			
280																			
PHYSICAL ACTIVITIES (PA)																			
V	C	H	B	L	S														
1	0	1	4	1	3														
ENVIRONMENTAL CONDITIONS (EC)																			
L1, H3, H6, D1																			
EDUCATION/TRAINING																			
4+, 5, R																			

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to set-up, operate and maintain conventional and computer numerically controlled (CNC) machine tools to cut, turn, mill, plane, drill, bore, grind and otherwise shape pieces to prescribed dimensions and finishes
- **Numerical ability** to compute dimensions and tolerances
- **Spatial and form perception** to read and interpret engineering drawings and specifications of tools, dies, prototypes and models
- **Finger and manual dexterity** to position, secure, measure and work metal stock and castings to lay out for machining, as well as to fit, assemble and disassemble parts using hand tools
- **Objective interest in setting up** and working with a variety of machine tools to shape workpieces to specifications; may program CNC machine tools as required
- **Innovative interest** in preparing templates and sketches, in testing completed tools, dies, jigs and fixtures for proper operation, and in determining work processes
- **Methodical interest in analyzing** information to verify machined parts for conformance to specifications using precision measuring instruments such as vernier callipers, micrometers, co-ordinate measuring machines (CMM) and electronic measuring devices

## Physical Activities

**Vision**  
1 Close visual acuity

**Colour Discrimination**  
0 Not relevant

**Hearing**  
1 Limited

**Body Position**  
4 Other body positions

**Limb Co-ordination**  
1 Upper limb co-ordination

**Strength**  
3 Medium

## Environmental Conditions

**Location**  
L1 Regulated inside climate

**Hazards**  
H3 Equipment, machinery, tools  
H6 Flying particles, falling objects

**Discomforts**  
D1 Noise

## Employment Requirements

**Education/Training**  
4+, 5, R

- Completion of secondary school is usually required.
- Completion of a four- or five-year tool and die making apprenticeship program  
*or*  
a combination of over five years of work experience in the trade and some high school, college or industry courses in tool and die making is usually required to be eligible for tool and die trade certification.
- Tool and die making trade certification is available, but voluntary, in Newfoundland and Labrador, Nova Scotia, Prince Edward Island, New Brunswick, Quebec, Ontario, Manitoba, Alberta and British Columbia.
- Interprovincial trade certification (Red Seal) is also available to qualified tool and die makers.

## Workplaces/Employers

Aircraft manufacturing industry  
Automobile manufacturing industry  
Electrical machinery manufacturing industry  
Metal fabrication manufacturing industry  
Plastics manufacturing industry  
Tool and die, mould making and machine shops

## Occupational Options

Progression to supervisory positions is possible with experience.

Red Seal trade certification of tool and die makers allows for interprovincial mobility.

## Similar Occupations Classified Elsewhere

*Machining Tool Operators* (9511)

*Machinists and Machining and Tooling Inspectors* (7231)

Manual and machine mould makers and core makers (in 9412 *Foundry Workers*)

Supervisors of tool and die makers, metal mould makers and patternmakers (in 7211 *Supervisors, Machinists and Related Occupations*)

# 7232.2 Metal Patternmakers

Metal patternmakers make, modify and repair foundry patterns and coreboxes using various metals, alloys, wood, plastic and polystyrene used for the production of metal castings.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	3	3	2	2	4	3	2	2

### INTERESTS

OIM

### DATA PEOPLE THINGS (DPT)

280

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	0	1	4	1	3

### ENVIRONMENTAL CONDITIONS (EC)

L1, H3, H6, D1

### EDUCATION/TRAINING

5, 6, R

## Examples of Job Titles

metal patternmaker  
metal patternmaker apprentice

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to set-up, operate and maintain conventional and computer numerically controlled (CNC) machine tools to cut, turn, mill, plane, drill, bore, grind and otherwise shape pieces to prescribed dimensions and finishes
- **Verbal ability** to communicate with design and engineering departments to verify designs in order to ensure product precision
- **Numerical ability** to compute dimensions and tolerances
- **Spatial and form perception** to read and interpret engineering drawings and specifications of pattern tooling, master patterns, models and prototypes; as well as to lay out, shape and assemble patterns of metal, wood, plastic and other materials from blueprints, models and templates
- **Finger and manual dexterity** to position, secure, measure and work metal stock and castings to lay out for machining, as well as to fit, assemble and disassemble parts using hand and power tools
- **Objective interest** in **setting up** machine tools to machine, fit and assemble castings and other parts to make precision models of required shapes such as metal patterns, core boxes and match plates; in repairing and rebuilding worn and broken patterns; and in programming computer numerically controlled (CNC) machine tools as required
- **Innovative interest** in inspecting and testing completed jigs and fixtures for proper operation, and in determining work processes
- **Methodical interest** in **analyzing** information to verify machined parts for conformance to specifications using precision measuring instruments



## Physical Activities

### Vision

- 2 Near vision

### Colour Discrimination

- 0 Not relevant

### Hearing

- 1 Limited

### Body Position

- 4 Other body positions

### Limb Co-ordination

- 1 Upper limb co-ordination

### Strength

- 3 Medium

## Environmental Conditions

### Location

- L1 Regulated inside climate

### Hazards

- H3 Equipment, machinery, tools
- H6 Flying particles, falling objects

### Discomforts

- D1 Noise

## Employment Requirements

### Education/Training

5, 6, R

- Completion of secondary school is usually required.
- Patternmakers usually require completion of an apprenticeship or college program in patternmaking.
- Patternmaking trade certification is available, but voluntary, in Ontario.

## Workplaces/Employers

Aircraft manufacturing industry

Automobile manufacturing industry

Electrical machinery manufacturing industry

Metal fabrication manufacturing industry

Plastics manufacturing industry

Tool and die, mould making and machine shops

## Occupational Options

Progression to supervisory positions is possible with experience.

## Similar Occupations Classified Elsewhere

*Machining Tool Operators* (9511)

*Machinists and Machining and Tooling Inspectors* (7231)

Manual and machine mould makers and core makers (in 9412 *Foundry Workers*)

Supervisors of tool and die makers, metal mould makers and patternmakers (in 7211 *Supervisors, Machinists and Related Occupations*)



# 7232.3 Metal Mould Makers

Metal mould makers make, modify and repair custom-made moulds, models and templates using various metals, alloys and plastics used for the mass production of industrial and consumer plastic and metal products.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	3	3	2	2	4	3	2	2

### INTERESTS

OIM

### DATA PEOPLE THINGS (DPT)

280

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	0	1	2	1	3

### ENVIRONMENTAL CONDITIONS (EC)

L1, H3, H6, D1

### EDUCATION/TRAINING

5, 6, R

## Examples of Job Titles

metal mould maker  
mouldmaker – plastics processing  
mouldmaker apprentice

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to set-up, operate and maintain conventional and computer numerically controlled (CNC) machine tools to cut, turn, mill, plane, drill, bore, grind and otherwise shape and polish pieces to prescribed dimensions and finishes
- **Numerical ability** to compute dimensions and tolerances
- **Spatial and form perception** to read and interpret engineering drawings and specifications of moulds, models and templates
- **Finger and manual dexterity** to position, secure, measure and work metal stock and castings to lay out for machining, as well as to fit, assemble and disassemble parts using hand and power tools
- **Objective interest in setting up** machine tools to machine, fit and assemble metal moulds and cores for plastic injection moulding and other production processes; and in programming CNC machine tools as required
- **Innovative interest** in inspecting and testing completed moulds, models and templates for proper operation, and in writing reports to inform designers and technicians of mould conditions for design re-evaluation
- **Methodical interest in analyzing** information to verify machined parts for conformance to specifications using precision measuring instruments such as vernier callipers, micrometers, co-ordinate measuring machines (CMM) and electronic measuring devices

## Physical Activities

### Vision

- 2 Near vision

### Colour Discrimination

- 0 Not relevant

### Hearing

- 1 Limited

### Body Position

- 2 Standing and/or walking

### Limb Co-ordination

- 1 Upper limb co-ordination

### Strength

- 3 Medium

## Environmental Conditions

### Location

- L1 Regulated inside climate

### Hazards

- H3 Equipment, machinery, tools
- H6 Flying particles, falling objects

### Discomforts

- D1 Noise

## Employment Requirements

### Education/Training

5, 6, R

- Completion of secondary school is usually required.
- Mould makers usually require completion of a four-year apprenticeship or a college program in mould making.
- Trade certification for mould makers is available, but voluntary, in Quebec and Ontario.

## Workplaces/Employers

Aircraft manufacturing industry

Automobile manufacturing industry

Electrical machinery manufacturing industry

Metal fabrication manufacturing industry

Plastics manufacturing industry

Tool and die, mould making and machine shops

## Occupational Options

Progression to supervisory positions is possible with experience.

Progression to mould designer or CNC programmer is possible with additional training and experience.

## Similar Occupations Classified Elsewhere

*Machining Tool Operators* (9511)

*Machinists and Machining and Tooling Inspectors* (7231)

Manual and machine mould makers and core makers (in 9412 *Foundry Workers*)

Supervisors of tool and die makers, metal mould makers and patternmakers (in 7211 *Supervisors, Machinists and Related Occupations*)

# 7241 Electricians (Except Industrial and Power System)

Electricians in this group lay out, assemble, install, test, troubleshoot and repair electrical wiring, fixtures, control devices and related equipment in buildings and other structures.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	3	3	3	3	4	3	3	3

### INTERESTS

Oim

### DATA PEOPLE THINGS (DPT)

261

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	1	1	4	2	3

### ENVIRONMENTAL CONDITIONS (EC)

L1, L2, L3\*, H3, H4, H8\*, D1\*, D4\*

### EDUCATION/TRAINING

5, R

## Examples of Job Titles

apprentice electrician  
construction electrician  
construction electrician apprentice  
domestic and rural electrician  
electrician

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to determine wiring layouts for new and existing installations and to install, replace and repair lighting fixtures and electrical control and distribution equipment such as switches, relays and circuit breaker panels
- **Spatial and form perception** to read and interpret drawings, circuit diagrams and electrical code specifications
- **Motor co-ordination** to connect electrical power to audio and visual communication equipment, signalling devices and heating and cooling systems
- **Finger and manual dexterity** to pull wire through conduits and holes in walls and floors, and to splice, join and connect wire to fixtures and components to form circuits, and to install brackets and hangers to support electrical equipment
- **Objective interest in precision working** to test continuity of circuits using test equipment to ensure compatibility and safety of a system, following installation, replacement and repair
- **Innovative interest in analyzing** to troubleshoot and isolate faults in electrical and electronic systems, and to remove and replace faulty components
- **Methodical interest in speaking – signalling** to conduct preventive maintenance programs; and in keeping maintenance records

## Physical Activities

### Vision

- 2 Near vision

### Colour Discrimination

- 1 Relevant

### Hearing

- 1 Limited

### Body Position

- 4 Other body positions

### Limb Co-ordination

- 2 Multiple limb co-ordination

### Strength

- 3 Medium

## Environmental Conditions

### Location

- L1 Regulated inside climate
- L2 Unregulated inside climate
- L3\* Outside

### Hazards

- H3 Equipment, machinery, tools
- H4 Electricity
- H8\* Dangerous locations

### Discomforts

- D1\* Noise
- D4\* Non-toxic dusts

## Employment Requirements

### Education/Training

5, R

- Completion of secondary school is usually required.
- Completion of a four- to five-year apprenticeship program is usually required.
- Trade certification for construction electricians is compulsory in Newfoundland and Labrador, Nova Scotia, Prince Edward Island, New Brunswick, Quebec, Ontario, Saskatchewan, Alberta, British Columbia, Nunavut, the Northwest Territories and the Yukon and available, but voluntary, in Manitoba.
- Trade certification for electricians (domestic and rural) is mandatory in Quebec and Ontario, and available, but voluntary in Newfoundland and Labrador.
- Interprovincial trade certification (Red Seal) is also available to qualified construction electricians.

## Workplaces/Employers

Electrical contractors

Maintenance departments of buildings and other establishments

Self-employment

## Occupational Options

Progression to supervisory positions is possible with experience.

Red Seal trade certification allows for interprovincial mobility.

## Similar Occupations Classified Elsewhere

*Electrical Mechanics (7333)*

*Industrial Electricians (7242)*

*Power System Electricians (7243)*

Supervisors of electricians (in 7212 *Contractors and Supervisors, Electrical Trades and Telecommunications Occupations*)

## Remarks

\*Environmental Conditions

- For some occupations in this group, **Location L3 (Outside)**, **Hazards H8 (Dangerous locations)** and **Discomforts D1 (Noise)** and **D4 (Non-toxic dusts)** may also apply.

# 7242 Industrial Electricians

Industrial electricians install, maintain, test, troubleshoot and repair industrial electrical equipment and associated electrical and electronic controls.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	3	3	3	3	4	3	3	3

### INTERESTS

Oim

### DATA PEOPLE THINGS (DPT)

261

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	1	1	4	1	3

### ENVIRONMENTAL CONDITIONS (EC)

L1, L2, H3, H4

### EDUCATION/TRAINING

4+, 5, R

## Examples of Job Titles

electrician, shipyard  
industrial electrician  
industrial electrician apprentice  
marine electrician  
mill electrician  
mine electrician  
plant electrician  
plant maintenance electrician

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to install, test, troubleshoot, maintain and repair electrical equipment and electronic controls
- **Spatial and form perception** to read and interpret drawings, blueprints, schematics and electrical code specifications to determine layout of industrial electrical equipment installations
- **Motor co-ordination** to test electrical and electronic equipment and components for continuity, current, voltage and resistance
- **Finger and manual dexterity** to maintain, repair, test and install switchgear, transformers, switchboard meters, regulators, reactors, electrical motors, generators, alternators, industrial storage batteries, and hydraulic and pneumatic electrical control systems
- **Objective interest in precision working** to install, examine, replace and repair electrical wiring, receptacles, switch boxes, conduits, feeders, fibre optic and coaxial cable assemblies, lighting fixtures and other electrical components, and to install, maintain and calibrate industrial instrumentation and related devices
- **Innovative interest in analyzing** to troubleshoot, maintain and repair industrial electrical and electronic control systems and other related devices
- **Methodical interest in speaking – signalling** to conduct preventative maintenance programs; and in keeping maintenance records

## Physical Activities

### Vision

- 2 Near vision

### Colour Discrimination

- 1 Relevant

### Hearing

- 1 Limited

### Body Position

- 4 Other body positions

### Limb Co-ordination

- 1 Upper limb co-ordination

### Strength

- 3 Medium

## Environmental Conditions

### Location

- L1 Regulated inside climate
- L2 Unregulated inside climate

### Hazards

- H3 Equipment, machinery, tools
- H4 Electricity

## Employment Requirements

### Education/Training

4+, 5, R

- Completion of secondary school is usually required.
- Completion of a four- or five-year industrial electrician apprenticeship program  
or  
a combination of over five years of work experience in the trade and some high school, college or industry courses in industrial electrical equipment is usually required to be eligible for trade certification.
- Trade certification for industrial electricians is compulsory in Prince Edward Island, Quebec and the Yukon, and available, but voluntary, in Newfoundland and Labrador, Nova Scotia, New Brunswick, Ontario and Manitoba.
- Interprovincial trade certification (Red Seal) is also available to qualified industrial electricians.
- Trade certification for marine electricians is available, but voluntary, in New Brunswick.
- Trade certification for mine electricians is available, but voluntary, in Nova Scotia.

## Workplaces/Employers

Electrical contractors

Maintenance departments of factories, plants, mines, shipyards and other industrial establishments

## Occupational Options

Progression to supervisory positions is possible with experience.

Red Seal trade certification allows for interprovincial mobility.

## Similar Occupations Classified Elsewhere

Construction electricians (in 7241 *Electricians (Except Industrial and Power System)*)

*Power System Electricians* (7243)

Supervisors of industrial electricians (in 7212 *Contractors and Supervisors, Electrical Trades and Telecommunications Occupations*)



# 7243 Power System Electricians

Power system electricians install, maintain, test and repair electrical power generation, transmission and distribution system equipment and apparatus.

<

Descriptor Profile		
<b>Main Characteristics</b>  Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties: <ul style="list-style-type: none"><li>▪ <b>General learning ability</b> to install and maintain electrical equipment and apparatus in generating stations and powerhouses</li></ul>	<ul style="list-style-type: none"><li>▪ <b>Verbal ability and clerical perception</b> to complete test and maintenance reports</li><li>▪ <b>Motor co-ordination and finger and manual dexterity</b> to use voltmeters, ammeters and other electrical test instruments and equipment</li><li>▪ <b>Objective interest in precision working</b> to inspect and test installed electrical equipment and apparatus to locate electrical faults</li></ul>	
	<ul style="list-style-type: none"><li>▪ <b>Innovative interest in analyzing</b> power systems to repair and replace faulty electrical equipment and apparatus</li><li>▪ <b>Methodical interest in speaking</b> with co-workers when installing and maintaining electrical distribution equipment such as transformers, generators, voltage regulators, switches, circuit breakers, capacitors, inductors, and supervisory control and data acquisition (SCADA) systems</li></ul>	



### Physical Activities

#### Vision

- 2 Near vision

#### Colour Discrimination

- 1 Relevant

#### Hearing

- 1 Limited

#### Body Position

- 4 Other body positions

#### Limb Co-ordination

- 1 Upper limb co-ordination

#### Strength

- 2\* Light

### Environmental Conditions

#### Location

- L1 Regulated inside climate
- L3 Outside

#### Hazards

- H4 Electricity

### Employment Requirements

#### Education/Training

4+, 5, R

- Completion of secondary school is usually required.
- Completion of a four-year apprenticeship program for power system electricians  
*or*  
a combination of up to four years of work experience in the trade and some college or industry courses in electrical technology is usually required.
- Trade certification is available, but voluntary, in Manitoba, Alberta, Nunavut, the Northwest Territories and the Yukon.

### Workplaces/Employers

Electric power generation, transmission and distribution companies

### Occupational Options

Progression to supervisory positions is possible with experience.

### Similar Occupations Classified Elsewhere

*Electrical Mechanics* (7333)

*Electrical Power Line and Cable Workers* (7244)

*Electricians (Except Industrial and Power System)* (7241)

*Industrial Electricians* (7242)

Supervisors of power system electricians (in 7212 *Contractors and Supervisors, Electrical Trades and Telecommunications Occupations*)

### Remarks

\*Physical Activities

- For some occupations in this group, Strength 3 (Medium) may also apply.

# 7244 Electrical Power Line and Cable Workers

Electrical power line and cable workers construct, maintain and repair overhead and underground electrical power transmission and distribution systems.

Profile Summary										Examples of Job Titles
<b>APTITUDES</b>										apprentice lineman/woman – electric power systems cable installer – electrical power cable splicer – electrical power construction lineman/woman – electrical power line power line patroller power lineman/woman powerline technician
G	V	N	S	P	Q	K	F	M		
3	3	4	3	3	4	2	3	3		
<b>INTERESTS</b>										
Oim										
<b>DATA PEOPLE THINGS (DPT)</b>										
361										
<b>PHYSICAL ACTIVITIES (PA)</b>										
V	C	H	B	L	S					
3	1	1	4	2	3					
<b>ENVIRONMENTAL CONDITIONS (EC)</b>										
L3, H3, H4, H8										
<b>EDUCATION/TRAINING</b>										
4+, 5, R										

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to construct, install, maintain, troubleshoot and repair electric distribution and transmission systems including overhead and underground power lines and cables, insulators, conductors, lightning arrestors, switches, transformers and other associated equipment
- **Spatial and form perception** to erect and maintain steel, wood and concrete poles, towers and guy wires
- **Motor co-ordination** to climb ladders and operate hydraulic buckets when working aloft on poles and towers, and to work in confined spaces such as trenches and tunnels when installing power lines, cables and associated equipment
- **Objective interest in precision working** to splice, solder and insulate conductors and related wiring in order to connect power distribution and transmission networks using splicing tools, related electrical equipment and tools
- **Innovative interest in compiling** information to install and maintain street lighting systems; and in inspecting and testing overhead and underground power lines and cables and auxiliary equipment using electrical testing equipment
- **Methodical interest in speaking** with other workers to co-ordinate the preparation for and completion of assignments

### Physical Activities

#### Vision

- 3 Near and far vision

#### Colour Discrimination

- 1 Relevant

#### Hearing

- 1 Limited

#### Body Position

- 4 Other body positions

#### Limb Co-ordination

- 2 Multiple limb co-ordination

#### Strength

- 3 Medium

### Environmental Conditions

#### Location

- L3 Outside

#### Hazards

- H3 Equipment, machinery, tools
- H4 Electricity
- H8 Dangerous locations

### Employment Requirements

#### Education/Training

4+, 5, R

- Completion of secondary school is usually required.
- Completion of a provincial three- or four-year lineman/woman apprenticeship program  
*or*  
a combination of up to four years of work experience in the trade and some high school, college or industry courses in electrical technology is usually required for electrical power line and cable workers.
- Trade certification for powerline technicians is compulsory in Prince Edward Island and British Columbia; and available but voluntary in Newfoundland and Labrador, Nova Scotia, New Brunswick, Ontario, Saskatchewan, Alberta, Nunavut, the Northwest Territories and the Yukon.
- Trade certification for construction linemen/women is available, but voluntary in Newfoundland and Labrador, New Brunswick and Ontario.
- Interprovincial trade certification (Red Seal) is available for qualified power line technicians.

### Workplaces/Employers

Electric power generation, transmission and distribution companies

Electrical contractors

Public utility commissions

### Occupational Options

Progression to supervisory positions is possible with experience.

Red Seal trade certification allows for interprovincial mobility.

### Similar Occupations Classified Elsewhere

Other linemen/women and cable installers (in 7245 *Telecommunications Line and Cable Workers*)

*Power System Electricians* (7243)

Supervisors of electrical power line and cable workers (in 7212 *Contractors and Supervisors, Electrical Trades and Telecommunications Occupations*)

# 7245    Telecommunications Line and Cable Workers

Telecommunications line and cable workers install, repair and maintain telecommunication lines and cables.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	3	4	3	4	4	3	3	3

### INTERESTS

Oim

### DATA PEOPLE THINGS (DPT)

361

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
3	1	1	4	2	3

### ENVIRONMENTAL CONDITIONS (EC)

L2, L3, H3, H4, H8

### EDUCATION/TRAINING

4+, 5, 6, R

## Examples of Job Titles

apprentice lineman/woman – telecommunications  
cable repairer, telecommunications  
communication technician – construction  
construction technician – cable television  
lineman/woman, telecommunications  
splicer technician – telephone  
telecommunications line installer  
telephone line technician

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to install, remove, maintain and repair aerial and underground telephone and other telecommunication transmission and distribution lines, cables and associated hardware, and to install cable television lines and cables
- **Verbal ability** to analyze and record test results and communicate findings
- **Spatial perception** to assist in the erection and removal of telecommunication poles, towers and associated support structures
- **Motor co-ordination** and **finger and manual dexterity** to climb and work aloft on poles, ladders and other support structures, and to work in confined spaces such as trenches, tunnels and crawl spaces
- **Objective interest** in **precision working** to splice and repair various types and sizes of telephone and other telecommunication cables, including single line, coaxial and fibre optic; may operate excavation machinery and other heavy equipment
- **Innovative interest** in **compiling** information to repair telecommunication lines, cables and various types of telephone and other telecommunication cables
- **Methodical interest** in **speaking** with other workers to co-ordinate the preparation and completion of assignments

## Physical Activities

### Vision

- 3 Near and far vision

### Colour Discrimination

- 1 Relevant

### Hearing

- 1 Limited

### Body Position

- 4 Other body positions

### Limb Co-ordination

- 2 Multiple limb co-ordination

### Strength

- 3 Medium

## Environmental Conditions

### Location

- L2 Unregulated inside climate  
L3 Outside

### Hazards

- H3 Equipment, machinery, tools  
H4 Electricity  
H8 Dangerous locations

## Employment Requirements

### Education/Training

4+, 5, 6, R

- Completion of secondary school is required.
- Completion of a four-year telecommunications line and cable apprenticeship program  
*or*  
a combination of over three years work experience in the trade and some industry-related or other specialized courses  
*or*  
completion of a two-year college program in electronics is usually required.
- Trade certification for communications electrician (construction craft) is available, but voluntary, in Alberta, Nunavut, the Northwest Territories and the Yukon.

## Workplaces/Employers

Cable television companies

Telephone and other telecommunications service companies

## Occupational Options

Progression to supervisory positions is possible with experience.

## Similar Occupations Classified Elsewhere

*Cable Television Service and Maintenance Technicians (7247)*

*Electrical Power Line and Cable Workers (7244)*

Supervisors of telecommunications line and cable workers (in 7212 *Contractors and Supervisors, Electrical Trades and Telecommunications Occupations*)

*Telecommunication Installation and Repair Workers (7246)*

# 7246.1 Telephone Installers and Repairers

Telephone installers and repairers install, test, maintain and repair telephones.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	3	4	3	3	4	3	3	3

### INTERESTS

Oim

### DATA PEOPLE THINGS (DPT)

361

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	1	1	4	1	2

### ENVIRONMENTAL CONDITIONS (EC)

L1, H3

### EDUCATION/TRAINING

4+, 5, R

## Examples of Job Titles

line and station installer, telephone  
telephone installer

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to understand and apply the principles of electrical theory to the installation, repair and adjustment of telephone equipment and wiring
- **Spatial perception** to visualize circuits, equipment functions and layouts and to locate transmission faults
- **Form perception** to notice defective electrical connections and worn and damaged parts
- **Motor co-ordination** and **finger and manual dexterity** to install, arrange, remove and maintain telephone equipment, wiring and associated hardware
- **Objective interest** in **precision working** to use hand and power tools, and to test meters when repairing equipment and wires
- **Innovative interest** in **compiling** information to repair and replace defective and damaged telephones, wires and associated equipment
- **Methodical interest** in **speaking** to test installed telephone systems



## Physical Activities

### Vision

- 2 Near vision

### Colour Discrimination

- 1 Relevant

### Hearing

- 1 Limited

### Body Position

- 4 Other body positions

### Limb Co-ordination

- 1 Upper limb co-ordination

### Strength

- 2 Light

## Environmental Conditions

### Location

- L1 Regulated inside climate

### Hazards

- H3 Equipment, machinery, tools

## Employment Requirements

### Education/Training

4+, 5, R

- Completion of secondary school is required.
- Telephone installers and repairers require completion of an apprenticeship program ranging from three to four years  
*or*  
a combination of over three years work experience in the trade and some high school, college or industry-related courses.
- Trade certification for communications electrician (network craft) is available, but voluntary, in Alberta, Nunavut, the Northwest Territories and the Yukon.

## Workplaces/Employers

Telephone and other telecommunications transmission services

## Similar Occupations Classified Elsewhere

*Electronic Service Technicians (Household and Business Equipment) (2242)*

Supervisors of telecommunication installation and repair workers (in 7212 *Contractors and Supervisors, Electrical Trades and Telecommunications Occupations*)

*Telecommunications Line and Cable Workers (7245)*



# 7246.2 Switch Network Installers and Repairers

Switch network installers and repairers install, test, maintain and repair telephone switching equipment.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	3	4	3	3	4	3	3	3

### INTERESTS

Oim

### DATA PEOPLE THINGS (DPT)

261

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	1	1	4	1	2

### ENVIRONMENTAL CONDITIONS (EC)

L1, H3, H4

### EDUCATION/TRAINING

4+, 5, R

## Examples of Job Titles

apprentice communication electrician – switching

central office technician

private branch exchange (PBX) installer

switch network installer and repairer

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to apply the principles of electrical theory to the installation, repair and adjustment of trunking systems, circuits and equipment
- **Spatial perception** to visualize circuits, equipment functions and layouts from drawings and specifications
- **Form perception** to notice defective connections and worn and damaged parts
- **Motor co-ordination** and **finger and manual dexterity** to install and repair electromechanical, analog and digital trunking systems, circuits and equipment in telecommunication central offices and switching centres
- **Objective interest** in **precision working** to adjust, change and repair switching systems, networks and associated equipment and software
- **Innovative interest** in **analyzing** test results
- **Methodical interest** in **signalling** to inspect and test trunking systems, circuits and equipment

## Physical Activities

### Vision

- 2 Near vision

### Colour Discrimination

- 1 Relevant

### Hearing

- 1 Limited

### Body Position

- 4 Other body positions

### Limb Co-ordination

- 1 Upper limb co-ordination

### Strength

- 2 Light

## Environmental Conditions

### Location

- L1 Regulated inside climate

### Hazards

- H3 Equipment, machinery, tools
- H4 Electricity

## Employment Requirements

### Education/Training

4+, 5, R

- Completion of secondary school is required.
- Switch network installers and repairers require completion of an apprenticeship program ranging from three to four years  
*or*  
a combination of over three years work experience in the trade and some high school, college or industry related courses.
- Trade certification for communications electrician (network craft) is available, but voluntary, in Alberta, Nunavut, the Northwest Territories and the Yukon.

## Workplaces/Employers

Telephone and other telecommunications transmission services

## Similar Occupations Classified Elsewhere

*Electronic Service Technicians (Household and Business Equipment) (2242)*

Supervisors of telecommunication installation and repair workers (in 7212 *Contractors and Supervisors, Electrical Trades and Telecommunications Occupations*)

*Telecommunications Line and Cable Workers (7245)*

# 7246.3 Telecommunications Service Testers

Telecommunications service testers check telephones and telephone switching equipment.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	3	4	3	3	4	3	3	3

### INTERESTS

Oim

### DATA PEOPLE THINGS (DPT)

364

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	1	1	4	1	1

### ENVIRONMENTAL CONDITIONS (EC)

L1

### EDUCATION/TRAINING

4+, 5+, R

## Examples of Job Titles

communication technician, telephone  
exchange tester – telecommunications

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to apply the knowledge of electrical inspection and testing principles to detect and determine the causes of defects and service problems
- **Spatial and form perception** to interpret test results and to detect defects and irregularities on customer lines and equipment
- **Motor co-ordination and finger and manual dexterity** to use test instruments; may assist repair personnel to test lines, circuits and systems and to isolate and clear cable faults
- **Objective interest in operating** computerized testing systems to conduct service tests on customer lines and equipment
- **Innovative interest in compiling** information to determine the nature, cause and location of service problems
- **Methodical interest in speaking** to initiate the dispatch of repair personnel; and in completing test reports and maintaining test and service records

## Physical Activities

### Vision

2 Near vision

### Colour Discrimination

1 Relevant

### Hearing

1 Limited

### Body Position

4 Other body positions

### Limb Co-ordination

1 Upper limb co-ordination

### Strength

1 Limited

## Environmental Conditions

### Location

L1 Regulated inside climate

## Employment Requirements

### Education/Training

4+, 5+, R

- Completion of secondary school is required.
- Experience as an installer and repairer (telephone and switch network) is usually required for service testers.
- Telephone and switch network installers and repairers require completion of an apprenticeship program ranging from three to four years  
or  
a combination of over three years work experience in the trade and some high school, college or industry related courses.
- Trade certification for communications electrician (network craft) is available, but voluntary, in Alberta, Nunavut, the Northwest Territories and the Yukon.

## Workplaces/Employers

Telephone and other telecommunications transmission services companies

## Similar Occupations Classified Elsewhere

*Electronic Service Technicians (Household and Business Equipment) (2242)*

Supervisors of telecommunication installation and repair workers (in 7212 *Contractors and Supervisors, Electrical Trades and Telecommunications Occupations*)

*Telecommunications Line and Cable Workers (7245)*

# 7246.4 Telecommunications Equipment Technicians

Telecommunications equipment technicians install, test, maintain and repair telecommunications equipment related to transmission and processing of voice, video signals and other data over a variety of media including fibre optics, microwave, radio and satellite.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	3	4	3	3	4	3	3	3

### INTERESTS

Oim

### DATA PEOPLE THINGS (DPT)

261

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	1	1	4	1	2

### ENVIRONMENTAL CONDITIONS (EC)

L1, H3

### EDUCATION/TRAINING

5, 6, R

## Examples of Job Titles

cellular telephone technician  
mobile radio installer  
telecommunications equipment technician

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to understand and apply principles of telecommunications technology to the installation, repair and adjustment of telecommunications equipment and related systems
- **Spatial perception** to visualize circuits, functions and layouts of equipment and systems
- **Form perception** to detect defects, irregularities and damaged parts
- **Motor co-ordination and finger and manual dexterity** to install, remove and maintain various telecommunications equipment and related systems such as telex and facsimile machines, teletypewriters, mobile radios, cellular telephones, pagers and other equipment
- **Objective interest in precision working** to adjust, replace and repair telecommunications equipment
- **Innovative interest in analyzing** information to inspect equipment and diagnose and locate equipment faults; and in configuring operating systems and installing software for Internet access
- **Methodical interest in speaking** to test operations of telecommunications equipment

## Physical Activities

### Vision

- 2 Near vision

### Colour Discrimination

- 1 Relevant

### Hearing

- 1 Limited

### Body Position

- 4 Other body positions

### Limb Co-ordination

- 1 Upper limb co-ordination

### Strength

- 2 Light

## Environmental Conditions

### Location

- L1 Regulated inside climate

### Hazards

- H3 Equipment, machinery, tools

## Employment Requirements

### Education/Training

- 5, 6, R

- Completion of secondary school is required.
- Telecommunications equipment technicians usually require completion of a college electrical and electronics program and several months of on-the-job training  
or  
completion of a three- or four-year apprenticeship training program.
- Trade certification for communications electrician (network craft) is available, but voluntary, in Alberta, Nunavut, the Northwest Territories and the Yukon.

## Workplaces/Employers

Telephone and other telecommunications transmission services

## Similar Occupations Classified Elsewhere

*Electronic Service Technicians (Household and Business Equipment) (2242)*

Supervisors of telecommunication installation and repair workers (in 7212 *Contractors and Supervisors, Electrical Trades and Telecommunications Occupations*)

*Telecommunications Line and Cable Workers (7245)*

# 7247.1 Cable Television Service Technicians

Cable television service technicians install, maintain and repair cable and satellite television signals, Internet connectivity and associated equipment in homes and commercial buildings.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	3	4	3	4	4	3	3	3

### INTERESTS

O is

### DATA PEOPLE THINGS (DPT)

3 6 4

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	1	1	4	1	2

### ENVIRONMENTAL CONDITIONS (EC)

L1, L3, H4\*, H8\*

### EDUCATION/TRAINING

4, 5, 6, R

## Examples of Job Titles

- apprentice community antenna television (CATV) technician
- cable television installer
- cablevision servicer
- CATV technician
- direct broadcast satellite (DBS) technician – cable television
- installation technician, cable television

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to install, maintain and repair cable and satellite television and Internet signals and associated equipment
- **Spatial perception** to visualize circuits, equipment functions and layouts at subscribers' premises
- **Motor co-ordination** and **finger and manual dexterity** to bend, position and splice cables and wires to install splitters, converters, decoders, satellite and pay-TV equipment and other hardware
- **Objective interest** in **operating** hand tools, power tools and test equipment to install cable hardware and systems; and in installing cable modems and software to enable Internet access at subscribers' premises
- **Innovative interest** in **compiling** information to inspect, test and repair cable and satellite television signals and associated equipment at subscribers' premises
- **Social interest** in **speaking** with subscribers and company personnel to determine assignments



---

**Physical Activities**

---

**Vision**

- 2 Near vision

**Colour Discrimination**

- 1 Relevant

**Hearing**

- 1 Limited

**Body Position**

- 4 Other body positions

**Limb Co-ordination**

- 1 Upper limb co-ordination

**Strength**

- 2 Light

---

**Environmental Conditions**

---

**Location**

- L1 Regulated inside climate
- L3 Outside

**Hazards**

- H4\* Electricity
- H8\* Dangerous locations

---

**Employment Requirements**

---

**Education/Training**

4, 5, 6, R

- Completion of secondary school is required.
- Completion of a college program in electronics  
*or*  
a combination of college, correspondence or industry courses related to electronics and electrical systems and on-the-job training  
*or*  
completion of a four-year CATV technician apprenticeship program is required.
- Trade certification for CATV technicians is available, but voluntary, in British Columbia.

---

**Workplaces/Employers**

---

Cable and satellite television companies

---

**Occupational Options**

---

Progression to supervisory positions is possible with experience.

---

**Similar Occupations Classified Elsewhere**

---

Supervisors of cable television service and maintenance technicians (in 7212 *Contractors and Supervisors, Electrical Trades and Telecommunications Occupations*)

Workers who install aerial or underground cable television lines (in 7245 *Telecommunications Line and Cable Workers*)

---

**Remarks**

---

\*Environmental Conditions

- For some occupations in this group, Hazards H4 (Electricity) and H8 (Dangerous locations) may also apply.

# 7247.2 Cable Television Maintenance Technicians

Cable television maintenance technicians maintain and repair cable television transmission and distribution systems and associated hardware.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	3	4	3	4	4	3	3	3

### INTERESTS

Oim

### DATA PEOPLE THINGS (DPT)

361

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
3	1	1	4	2	3

### ENVIRONMENTAL CONDITIONS (EC)

L2, L3, H3, H4, H8

### EDUCATION/TRAINING

4, 5, 6, R

## Examples of Job Titles

maintenance technician, cable television

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to maintain and repair coaxial and fibre optic aerial and underground cable television transmission lines, trunking and related distribution and interconnecting systems including power supplies and amplifiers
- **Spatial perception** to visualize circuits, equipment functions and layouts
- **Motor co-ordination** and **finger** and **manual dexterity** to climb and work aloft on poles, ladders and other support structures
- **Objective interest** in **precision working** to inspect, monitor, test and adjust cable transmission and distribution systems
- **Innovative interest** in **speaking** with other workers to co-ordinate the preparation and completion of assignments
- **Methodical interest** in **compiling** information to repair and replace faulty cables, power supplies, amplifiers and other associated transmission and distribution equipment

## Physical Activities

**Vision**  
3 Near and far vision

**Colour Discrimination**  
1 Relevant

**Hearing**  
1 Limited

**Body Position**  
4 Other body positions

**Limb Co-ordination**  
2 Multiple limb co-ordination

**Strength**  
3 Medium

## Environmental Conditions

**Location**  
L2 Unregulated inside climate  
L3 Outside

**Hazards**  
H3 Equipment, machinery, tools  
H4 Electricity  
H8 Dangerous locations

## Employment Requirements

**Education/Training**  
4, 5, 6, R

- Completion of secondary school is required.
- Completion of a college program in electronics  
*or*  
a combination of college, correspondence or industry courses related to electronics and electrical systems and on-the-job training  
*or*  
completion of a four-year CATV technician apprenticeship program is required.
- Trade certification for CATV technicians is available, but voluntary, in British Columbia.

## Workplaces/Employers

Cable and satellite television companies

## Occupational Options

Progression to supervisory positions is possible with experience.

## Similar Occupations Classified Elsewhere

Supervisors of cable television service and maintenance technicians (in 7212 *Contractors and Supervisors, Electrical Trades and Telecommunications Occupations*)

Workers who install aerial or underground cable television lines (in 7245 *Telecommunications Line and Cable Workers*)

# 7251 Plumbers

Plumbers install, repair and maintain pipes, fixtures and other plumbing equipment used for water distribution and waste water disposal in residential, commercial and industrial buildings.

Profile Summary										Examples of Job Titles									
APTITUDES										maintenance plumber plumber plumber apprentice plumbing mechanic									
G	V	N	S	P	Q	K	F	M											
3	4	3	3	3	4	3	3	3											
INTERESTS																			
Oim																			
DATA PEOPLE THINGS (DPT)																			
361																			
PHYSICAL ACTIVITIES (PA)																			
V	C	H	B	L	S														
2	0	1	4	1	4														
ENVIRONMENTAL CONDITIONS (EC)																			
L1, L3, H3, D5																			
EDUCATION/TRAINING																			
4+, 5, R																			

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to install, repair and maintain domestic, commercial and industrial plumbing fixtures and system
- **Numerical ability** to prepare cost estimates for customers as required
- **Spatial and form perception** to read blueprints, drawings and specifications to determine layout of plumbing systems, water supply networks and waste and drainage systems
- **Motor co-ordination and finger and manual dexterity** to join pipes using couplings, clamps, screws, bolts, cement and soldering, brazing and welding equipment
- **Objective interest in precision working** to measure, cut, bend and thread pipes using machines and hand and power tools
- **Innovative interest in compiling** information to repair plumbing fixtures and systems, and to test pipes for leaks using air and water pressure gauges
- **Methodical interest in speaking – signalling** to locate and mark positions for pipe connections, passage holes and fixtures in walls and floors

---

## Physical Activities

### Vision

- 2 Near vision

### Colour Discrimination

- 0 Not relevant

### Hearing

- 1 Limited

### Body Position

- 4 Other body positions

### Limb Co-ordination

- 1 Upper limb co-ordination

### Strength

- 4 Heavy

---

## Environmental Conditions

### Location

- L1 Regulated inside climate  
L3 Outside

### Hazards

- H3 Equipment, machinery, tools

### Discomforts

- D5 Wetness

---

## Employment Requirements

### Education/Training

4+, 5, R

- Completion of secondary school is usually required.
- Completion of a four- to five-year apprenticeship program *or* a combination of over five years of work experience in the trade and some high school, college or industry courses in plumbing is usually required to be eligible for trade certification.
- Trade certification is compulsory in Nova Scotia, Prince Edward Island, New Brunswick, Quebec, Ontario, Saskatchewan, Alberta and British Columbia and available, but voluntary, in Newfoundland and Labrador, Manitoba, Nunavut, the Northwest Territories and the Yukon.
- Interprovincial trade certification (Red Seal) is available to qualified plumbers.

---

## Workplaces/Employers

Maintenance departments of factories, plants and similar establishments

Plumbing contractors

Self-employment

---

## Occupational Options

Progression to supervisory positions is possible with experience.

Red Seal trade certification allows for interprovincial mobility.

---

## Similar Occupations Classified Elsewhere

*Gas Fitters* (7253)

*Steamfitters, Pipefitters and Sprinkler System Installers* (7252)

Supervisors of plumbers (in 7213  
*Contractors and Supervisors, Pipefitting Trades*)

# 7252.1 Steamfitters and Pipefitters

Steamfitters and pipefitters lay out, assemble, fabricate, maintain, troubleshoot and repair piping systems carrying water, steam, chemicals and fuel in heating, cooling, lubricating and other process piping systems.

Profile Summary									Examples of Job Titles		
APTITUDES									apprentice pipefitter-steamfitter		
G	V	N	S	P	Q	K	F	M	marine pipefitter		
3	3	3	3	3	4	3	3	3	pipefitter		
INTERESTS									steamfitter		
Oim											
DATA PEOPLE THINGS (DPT)											
381											
PHYSICAL ACTIVITIES (PA)											
V	C	H	B	L	S						
3	0	1	4	2	4						
ENVIRONMENTAL CONDITIONS (EC)											
L1, L3, H1*, H3, H6, H7, D1											
EDUCATION/TRAINING											
4+, 5, R											

Descriptor Profile		
Main Characteristics		
Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:		
▪ <b>General learning ability</b> to lay out, assemble, fabricate, maintain and repair piping systems	▪ <b>Spatial and form perception</b> to read and interpret drawings, blueprints and specifications to determine layout requirements	▪ <b>Objective interest in precision working</b> to measure, cut, thread and bend pipe to required shape using hand and power tools, and to install supports, valves, and control systems
▪ <b>Verbal and numerical ability</b> to prepare cost estimates for customers as required	▪ <b>Motor co-ordination</b> to cut openings for pipe in walls, floors and ceilings using hand and power tools and machines	▪ <b>Innovative interest in compiling</b> information to select types and sizes of pipe required and to test systems for leaks using testing equipment
	▪ <b>Finger and manual dexterity</b> to weld, braze, cement, solder and thread joints to join pipes and fabricate sections of piping systems	▪ <b>Methodical interest</b> in removing and replacing worn components, in cleaning and maintaining pipe units and fittings, and in flushing and re-activating piping systems

---

**Physical Activities**

---

**Vision**

3 Near and far vision

**Colour Discrimination**

0 Not relevant

**Hearing**

1 Limited

**Body Position**

4 Other body positions

**Limb Co-ordination**

2 Multiple limb co-ordination

**Strength**

4 Heavy

---

**Environmental Conditions**

---

**Location**L1 Regulated inside climate  
L3 Outside**Hazards**H1\* Dangerous chemical substances  
H3 Equipment, machinery, tools  
H6 Flying particles, falling objects  
H7 Fire, steam, hot surfaces**Discomforts**

D1 Noise

---

**Employment Requirements**

---

**Education/Training**

4+, 5, R

- Completion of secondary school is usually required.
- Completion of a four- to five-year apprenticeship program *or* a combination of over five years of work experience in the trade and some high school, college or industry courses in steamfitting or pipefitting is usually required to be eligible for trade certification.
- Steamfitter-pipefitter trade certification is compulsory in Quebec, Ontario, Alberta and British Columbia and available, but voluntary, in all other provinces and the territories.
- Interprovincial trade certification (Red Seal) is also available to qualified steamfitters-pipefitters.

---

**Workplaces/Employers**

---

Maintenance departments of factories, plants and similar establishments

Pipefitting contractors

Self-employment

---

**Occupational Options**

---

Progression to supervisory positions is possible with experience.

Red Seal trade certification allows for interprovincial mobility.

---

**Similar Occupations Classified Elsewhere**

---

*Gas Fitters (7253)**Plumbers (7251)*Supervisors of steamfitters and pipefitters (in 7213 *Contractors and Supervisors, Pipefitting Trades*)

---

**Remarks**

---

\*Environmental Conditions

- For some occupations in this group, Hazards H1 (Dangerous chemical substances) may also apply.



# 7252.2 Sprinkler System Installers

Sprinkler system installers fabricate, install, test, maintain and repair water, foam, carbon dioxide and dry chemical sprinkler systems in buildings for fire protection purposes.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	3	3	3	3	4	3	3	3

### INTERESTS

Oim

### DATA PEOPLE THINGS (DPT)

381

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
3	0	1	4	2	4

### ENVIRONMENTAL CONDITIONS (EC)

L1, H3, H6, D1, D4

### EDUCATION/TRAINING

4+, 5, R

## Examples of Job Titles

- fire protection mechanic
- fire sprinkler fitter
- sprinkler system fitter
- sprinkler system installer
- sprinkler system installer apprentice

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to understand and apply techniques used in the installation, maintenance and repair of sprinkler systems
- **Verbal and numerical ability** to prepare cost estimates for customers as required
- **Spatial and form perception** to read and interpret drawings, specifications and fire codes to determine layout requirements
- **Motor co-ordination** to connect piping systems to water mains, supply tanks, pumps, compressors and control equipment, to install sprinkler heads and to mount prepared pipe in supports
- **Finger and manual dexterity** to install sprinklers and fire protection equipment and clamps, brackets and hangers to support piping systems using hand and power tools
- **Objective interest in precision working** to join pipes and piping sections using soldering and welding equipment, and to install valves, alarms and associated equipment
- **Innovative interest in compiling** information to select, measure, cut, ream and thread pipe, and to service and repair sprinkler systems
- **Methodical interest** in testing systems for leaks using air and liquid pressure equipment

---

**Physical Activities**

---

**Vision**

- 3 Near and far vision

**Colour Discrimination**

- 0 Not relevant

**Hearing**

- 1 Limited

**Body Position**

- 4 Other body positions

**Limb Co-ordination**

- 2 Multiple limb co-ordination

**Strength**

- 4 Heavy

---

**Environmental Conditions**

---

**Location**

- L1 Regulated inside climate

**Hazards**

- H3 Equipment, machinery, tools  
H6 Flying particles, falling objects

**Discomforts**

- D1 Noise  
D4 Non-toxic dusts

---

**Employment Requirements**

---

**Education/Training**

4+, 5, R

- Completion of secondary school is usually required.
- Completion of a four- to five-year apprenticeship program *or* a combination of over five years of work experience in the trade and some high school, college or industry courses in sprinkler system installation is usually required to be eligible for trade certification.
- Sprinkler system installer trade certification is compulsory in Quebec and British Columbia and available, but voluntary, in all other provinces and the territories.
- Interprovincial trade certification (Red Seal) is also available to qualified sprinkler system installers.

---

**Workplaces/Employers**

---

Maintenance departments of factories, plants and similar establishments

Self-employment

Sprinkler system contractors

---

**Occupational Options**

---

Progression to supervisory positions is possible with experience.

Red Seal trade certification allows for interprovincial mobility.

---

**Similar Occupations Classified Elsewhere**

---

*Gas Fitters (7253)*

*Plumbers (7251)*

Supervisors of sprinkler system installers (in 7213 *Contractors and Supervisors, Pipefitting Trades*)

# 7253 Gas Fitters

Gas fitters install, inspect, repair and maintain gas lines and gas equipment such as meters, regulators, heating units and appliances in residential, commercial and industrial establishments.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	3	3	3	3	3	3	3	3

### INTERESTS

OMi

### DATA PEOPLE THINGS (DPT)

361

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
3	0	1	4	1	3

### ENVIRONMENTAL CONDITIONS (EC)

L1, L3, H1, H3

### EDUCATION/TRAINING

4+, 5, 6+, R

## Examples of Job Titles

- gas customer servicer
- gas fitter
- gas fitter apprentice
- gas servicer
- gas technician

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to install and maintain gas meters and regulators and the gas lines between units and meters, as well as to install, maintain and service gas heating units and their components such as burners, valves and automatic controls
- **Verbal ability** to advise customers on standards, safety features and maintenance of gas units and systems
- **Clerical perception** to prepare reports on work done and the condition of facilities
- **Spatial and form perception** to study drawings and specifications to determine the installation layouts and required materials
- **Motor co-ordination and finger and manual dexterity** to measure and mark reference points for installation of gas lines and equipment
- **Objective interest in precision working** to convert motor vehicles and appliances to use natural gas fuels; and to assist in the investigation of gas fires and in testing and replacing defective equipment and components
- **Methodical interest in speaking** to respond to calls about leaking gas and to assist in the investigation of gas fires and explosions; in testing and adjusting control mechanisms, and in checking pipes and piping connections for gas leaks using gas-detecting devices
- **Innovative interest in compiling** information to repair and service gas appliances and related equipment

### Physical Activities

#### Vision

3 Near and far vision

#### Colour Discrimination

0 Not relevant

#### Hearing

1 Limited

#### Body Position

4 Other body positions

#### Limb Co-ordination

1 Upper limb co-ordination

#### Strength

3 Medium

### Environmental Conditions

#### Location

L1 Regulated inside climate

L3 Outside

#### Hazards

H1 Dangerous chemical substances

H3 Equipment, machinery, tools

### Employment Requirements

#### Education/Training

4+, 5, 6+, R

- Completion of secondary school is usually required.
- Completion of a two- or three-year gas fitter apprenticeship program  
*or*  
several years of work experience in a pipefitting trade plus completion of a high school, college or industry gas fitter program are required.
- Gas fitter trade certification is compulsory in Nova Scotia, Alberta, British Columbia, Nunavut, the Northwest Territories and the Yukon.
- A provincial gas fitter licence is usually required.

### Workplaces/Employers

Gas servicing companies

Gas utility companies

### Occupational Options

Progression to supervisory positions is possible with experience.

### Similar Occupations Classified Elsewhere

*Plumbers (7251)*

*Steamfitters, Pipefitters and Sprinkler System Installers (7252)*

Supervisors of gas fitters (in 7213 *Contractors and Supervisors, Pipefitting Trades*)

### Remarks

Licensing requirements for this occupation differ between the provinces and territories.

# 7261 Sheet Metal Workers

Sheet metal workers fabricate, assemble, install and repair sheet metal products.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	4	3	2	3	4	3	3	2

### INTERESTS

OMI

### DATA PEOPLE THINGS (DPT)

381

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
3	0	1	4	1	3

### ENVIRONMENTAL CONDITIONS (EC)

L1, L2, L3, H3, H6, H7, H8\*, D1, D4

### EDUCATION/TRAINING

4+, 5, R

## Examples of Job Titles

- apprentice sheet metal worker
- sheet metal fabricator
- sheet metal mechanic
- sheet metal worker
- tinsmith

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to fabricate, assemble, install and repair sheet metal products
- **Spatial perception** to read and interpret engineering and architectural drawings, sketches and work specifications, and to lay out sheet metal according to drawings and templates
- **Manual dexterity** to operate light metalworking machines such as shears, brakes, punches and drill presses including computer numerically controlled (CNC) equipment, to cut, bend, punch, drill, shape and straighten sheet metal; to fit and join sheet metal parts using riveting, welding, soldering and similar equipment to fabricate products such as ventilation shafts, exhaust hoods, eavestroughs, partition frames, air and heat ducts, material handling systems, roof decking and sheet metal buildings; and to install and use rigging and hoisting equipment
- **Objective interest in precision working** to measure and mark sheet metal, and to operate computerized laser and plasma cutting equipment to cut sheet metal; and in developing patterns for sheet metal using computer assisted design and drafting (CAD) software
- **Methodical interest** in grinding and buffing seams, joints and rough surfaces
- **Innovative interest in compiling** information to inspect product quality and installation to ensure products conform to specifications and building codes

### Physical Activities

Vision  
3 Near and far vision

Colour Discrimination  
0 Not relevant

Hearing  
1 Limited

Body Position  
4 Other body positions

Limb Co-ordination  
1 Upper limb co-ordination

Strength  
3 Medium

### Environmental Conditions

Location  
L1 Regulated inside climate  
L2 Unregulated inside climate  
L3 Outside

Hazards  
H3 Equipment, machinery, tools  
H6 Flying particles, falling objects  
H7 Fire, steam, hot surfaces  
H8\* Dangerous locations

Discomforts  
D1 Noise  
D4 Non-toxic dusts

### Employment Requirements

Education/Training  
4+, 5, R

- Completion of secondary school is usually required.
- Completion of a three- to five-year apprenticeship program *or* a combination of over four years of work experience in the trade and some high school, college or industry courses in sheet metal working is usually required to be eligible for trade certification.
- Trade certification is compulsory in Quebec, Ontario, Saskatchewan, Alberta and British Columbia and available, but voluntary, in all other provinces and territories.
- Interprovincial trade certification (Red Seal) is also available to qualified sheet metal workers.

### Workplaces/Employers

Sheet metal fabrication shops  
Sheet metal products manufacturing companies  
Sheet metal work contractors  
Various industrial sectors

### Occupational Options

Progression to supervisory positions is possible with experience.

Red Seal trade certification allows for interprovincial mobility.

### Similar Occupations Classified Elsewhere

Aircraft sheet metal technicians (in 7315 *Aircraft Mechanics and Aircraft Inspectors*)

*Boilermakers* (7262)

*Ironworkers* (7264)

*Metalworking Machine Operators* (9514)

*Structural Metal and Platemwork Fabricators and Fitters* (7263)

Supervisors of sheet metal workers (in 7214 *Contractors and Supervisors, Metal Forming, Shaping and Erecting Trades*)

### Remarks

Sheet metal workers may specialize in on-site installation or shop manufacture of sheet metal products, or servicing and maintenance of installed equipment and systems.

\*Environmental Conditions

- For some occupations in this group, Hazards H8 (Dangerous locations) may also apply.



# 7262     Boilermakers

Boilermakers fabricate, assemble, erect, test, maintain and repair boilers, vessels, tanks, towers, heat exchangers and other heavy metal structures.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	3	3	2	3	4	3	3	2

### INTERESTS

OMI

### DATA PEOPLE THINGS (DPT)

360

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
3	0	1	4	1	4

### ENVIRONMENTAL CONDITIONS (EC)

L1, L2, H3, H7, H8\*, D1

### EDUCATION/TRAINING

4+, 5, R

## Examples of Job Titles

boiler fitter  
boiler installer  
boilermaker  
boilermaker apprentice  
construction boilermaker  
industrial boilermaker  
marine boilermaker  
pressure vessel fabricator

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to understand the physical properties of structural metal and methods of assembly
- **Spatial perception** to read blueprints and specifications to plan a sequence of operations
- **Form perception** to erect and install boilers and other heavy metal products according to specifications
- **Motor co-ordination and finger dexterity** to fit and weld metal parts and sections together in order to fabricate boilers, vessels, tanks, heat exchangers, piping and other heavy metal products
- **Manual dexterity** to use hand and power tools to lay out plate, sheet steel and other heavy metal and to mark bending and cutting lines on metal using protractors, compasses, drawing instruments and templates
- **Objective interest in setting up** and operating heavy-duty metalworking machines such as brakes, rolls, shears, flame cutters and drill presses to cut, shape and form metal into parts and sections
- **Methodical interest in speaking – signalling** to direct the activities of hoist operators, crane operators and other workers during fabrication, assembly, installation and repair of structures
- **Innovative interest in compiling** information to repair and perform maintenance work on boilers and other heavy metal products; and in testing finished structures using a variety of methods



## Physical Activities

### Vision

- 3 Near and far vision

### Colour Discrimination

- 0 Not relevant

### Hearing

- 1 Limited

### Body Position

- 4 Other body positions

### Limb Co-ordination

- 1 Upper limb co-ordination

### Strength

- 4 Heavy

## Environmental Conditions

### Location

- L1 Regulated inside climate  
L2 Unregulated inside climate

### Hazards

- H3 Equipment, machinery, tools  
H7 Fire, steam, hot surfaces  
H8\* Dangerous locations

### Discomforts

- D1 Noise

## Employment Requirements

### Education/Training

4+, 5, R

- Completion of secondary school is usually required.
- Completion of a three- to four-year apprenticeship program  
*or*  
a combination of over four years of work experience in the trade and some high school, college or industry courses in boilermaking is usually required to be eligible for trade certification.
- Trade certification is compulsory in Quebec and Alberta and available, but voluntary, in all other provinces.
- Interprovincial trade certification (Red Seal) is also available to qualified boilermakers.

## Workplaces/Employers

Boiler fabrication companies  
Construction companies  
Electric power generation companies  
Industrial establishments  
Manufacturing companies  
Shipbuilding companies

## Occupational Options

Progression to supervisory positions is possible with experience.

Red Seal trade certification allows for interprovincial mobility.

## Similar Occupations Classified Elsewhere

*Ironworkers* (7264)

*Structural Metal and Platework Fabricators and Fitters* (7263)

Supervisors of boilermakers (in 7214 *Contractors and Supervisors, Metal Forming, Shaping and Erecting Trades*)

*Welders and Related Machine Operators* (7265)

## Remarks

Boilermakers may specialize in rigging and hoisting, preparation and layout, or welding aspects of the trade.

\*Environmental Conditions

- For some occupations in this group, **Hazards H8** (Dangerous locations) may also apply.

7263

Structural Metal and Platework Fabricators and Fitters

Structural metal and platework fabricators and fitters fabricate, assemble, fit and install steel and other metal components for buildings, bridges, tanks, towers, boilers, pressure vessels and other similar structures and products.

Profile Summary

APTITUDES

G	V	N	S	P	Q	K	F	M
3	4	3	3	3	4	3	3	3

INTERESTS

OMI

DATA PEOPLE THINGS (DPT)

380

PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
3	0	1	4	1	4

ENVIRONMENTAL CONDITIONS (EC)

L1, H3, H6, H7, D1

EDUCATION/TRAINING

4+, 5, R

Examples of Job Titles

- metal fabricator
- plater
- platework fitter
- shipfitter
- shipfitter apprentice
- steel fabricator
- structural steel fitter

Descriptor Profile

Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to understand the physical properties of structural metal and methods of assembly and to carry out procedures for fabrication
- **Spatial and form perception** to read and interpret engineering drawings and blueprints to plan sequence of tasks, and to lay out reference points and patterns on heavy metal according to component specifications
- **Motor co-ordination and finger and manual dexterity** to assemble and fit metal sections and plates to form complete units and subunits using tack welding, bolting, riveting and other methods, and to rig, hoist and move materials within worksite and to storage areas
- **Objective interest** in **setting up** and operating heavy-duty metalworking machines such as brake presses, shears, cutting torches, grinders and drills, including computer numerical control (CNC) equipment, to bend, cut, form, punch, drill and otherwise form heavy metal components
- **Methodical interest** in forming heavy metal components using heavy-duty metalworking machines, in assembling components to form subunits and complete units, and in installing fabricated components in final products
- **Innovative interest** in **compiling** information to determine materials required, and to construct patterns and templates as guides for layouts

## Physical Activities

### Vision

- 3 Near and far vision

### Colour Discrimination

- 0 Not relevant

### Hearing

- 1 Limited

### Body Position

- 4 Other body positions

### Limb Co-ordination

- 1 Upper limb co-ordination

### Strength

- 4 Heavy

## Environmental Conditions

### Location

- L1 Regulated inside climate

### Hazards

- H3 Equipment, machinery, tools  
H6 Flying particles, falling objects  
H7 Fire, steam, hot surfaces

### Discomforts

- D1 Noise

## Employment Requirements

### Education/Training

4+, 5, R

- Completion of secondary school is usually required.
- Completion of a three- to four-year apprenticeship program *or* a combination of over four years of work experience in the trade and some college or industry courses in structural steel and platework fabrication is usually required to be eligible for trade certification.
- Trade certification is available, but voluntary, in all provinces.
- Trade certification for ship's platers is available, but voluntary, in Newfoundland and Labrador.
- Trade certification for shipfitters and shipwrights is available, but voluntary, in British Columbia.
- Interprovincial trade certification (Red Seal) is also available to qualified metal fabricators (fitters).

## Workplaces/Employers

Boiler fabrication plants

Heavy machinery manufacturing companies

Platework fabrication plants

Shipbuilding companies

Structural steel fabrication plants

## Occupational Options

Some structural metal and platework fabricators and fitters may also be certified as skilled welders.

Progression to supervisory positions is possible with experience.

Red Seal trade certification allows for interprovincial mobility.

## Similar Occupations Classified Elsewhere

*Boilermakers (7262)*

*Metalworking Machine Operators (9514)*

Structural steel erectors (in 7264 *Ironworkers*)

Supervisors of structural metal and platework fabricators and fitters (in 7214 *Contractors and Supervisors, Metal Forming, Shaping and Erecting Trades*)

*Welders and Related Machine Operators (7265)*

# 7264 Ironworkers

Ironworkers fabricate, erect, hoist, install, repair and service structural ironwork, precast concrete, concrete reinforcing materials, curtain walls, ornamental iron and other metals used in the construction of buildings, bridges, highways, dams and other structures and equipment.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	4	4	2	3	5	3	4	3

### INTERESTS

OMI

### DATA PEOPLE THINGS (DPT)

361

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
3	0	1	4	1	4

### ENVIRONMENTAL CONDITIONS (EC)

L2, L3, H3, H6, H7, H8, D1

### EDUCATION/TRAINING

4+, 5, R

## Examples of Job Titles

ironworker  
ironworker – metal building systems erector  
ironworker apprentice  
ornamental ironworker  
reinforcing ironworker  
structural steel erector

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to understand and apply methods and techniques associated with the use of structural ironwork, concrete and other metals in construction
- **Spatial and form perception** to interpret blueprints and specifications to lay out work; to erect and install scaffolding, hoisting equipment and rigging; and to erect structural and architectural precast concrete components for buildings, bridges, towers and other structures
- **Motor co-ordination** to assemble and erect prefabricated metal structures, and to dismantle structures and equipment when required
- **Manual dexterity** to unload and position steel units so each piece can be hoisted as needed
- **Objective interest in precision working** to align, weld and bolt steel units into place, and to position and secure steel bars and metal mesh in concrete forms to reinforce concrete structures
- **Methodical interest in signalling** crane operators to position steel units according to blueprints; and in examining structures and equipment for deterioration, defects, or non-compliance with specifications
- **Innovative interest in compiling** information to install ornamental and structural metalwork such as curtain walls, metal stairways, railings and power doors

## Physical Activities

### Vision

- 3 Near and far vision

### Colour Discrimination

- 0 Not relevant

### Hearing

- 1 Limited

### Body Position

- 4 Other body positions

### Limb Co-ordination

- 1 Upper limb co-ordination

### Strength

- 4 Heavy

## Environmental Conditions

### Location

- L2 Unregulated inside climate  
L3 Outside

### Hazards

- H3 Equipment, machinery, tools  
H6 Flying particles, falling objects  
H7 Fire, steam, hot surfaces  
H8 Dangerous locations

### Discomforts

- D1 Noise

## Employment Requirements

### Education/Training

4+, 5, R

- Completion of secondary school is usually required.
- Completion of a two- to three-year apprenticeship program *or* over three years of work experience in the trade and some high school, college or industry courses in ironworking are usually required to be eligible for trade certification.
- Trade certification is compulsory in Quebec and Alberta and available, but voluntary, in Newfoundland and Labrador, Prince Edward Island, Nova Scotia, New Brunswick, Ontario, Manitoba, Saskatchewan and British Columbia.
- Interprovincial trade certification (Red Seal) is also available to qualified ironworkers.

## Workplaces/Employers

Construction ironwork contractors

## Occupational Options

Progression to supervisory positions is possible with experience.

Red Seal trade certification allows for interprovincial mobility.

## Similar Occupations Classified Elsewhere

*Boilermakers (7262)*

*Structural Metal and Platework Fabricators and Fitters (7263)*

Supervisors of ironworkers (in 7214 *Contractors and Supervisors, Metal Forming, Shaping and Erecting Trades*)

# 7265.1 Welders

Welders operate welding equipment to weld ferrous and non-ferrous metals.

## Profile Summary

APTITUDES								
G	V	N	S	P	Q	K	F	M
3	4	3	2	3	4	3	4	3
INTERESTS								
OMI								
DATA PEOPLE THINGS (DPT)								
381								
PHYSICAL ACTIVITIES (PA)								
V	C	H	B	L	S			
1	0*	1	4	1	4			
ENVIRONMENTAL CONDITIONS (EC)								
L1, L2, L3, H1*, H3, H4, H5*, H6, H7, D1*, D3, D4								
EDUCATION/TRAINING								
4+, 5, R								

## Examples of Job Titles

aviation welding technician  
electric arc welder  
journeyman/woman welder  
pressure vessel welder  
welder  
welder apprentice  
welder-fitter

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to understand the metallurgical properties of metal and the effects of expansion and shrinkage due to heat, and to understand and apply methods and techniques of welding, brazing, soldering and flame cutting
- **Spatial and form perception** to read and interpret blueprints and welding process specifications
- **Motor co-ordination and manual dexterity** to operate manual and semi-automatic welding, flame-cutting, brazing and soldering equipment
- **Objective interest in precision working** to fuse metal segments using processes such as gas tungsten arc (GTAW), gas metal arc (GMAW), flux-cored arc (FCAW), plasma arc (PAW), shielded metal arc (SMAW), oxy-acetylene (OAW), resistance welding and submerged arc welding (SAW)
- **Methodical interest** in cleaning and preparing pieces for welding
- **Innovative interest in compiling** information from specifications to shape metal by operating metalworking machines such as brakes, shears and other metal straightening and bending machines; and in examining and repairing worn parts of metal products by welding on extra layers



## Physical Activities

**Vision**  
1 Close visual acuity

**Colour Discrimination**  
0\* Not relevant

**Hearing**  
1 Limited

**Body Position**  
4 Other body positions

**Limb Co-ordination**  
1 Upper limb co-ordination

**Strength**  
4 Heavy

## Environmental Conditions

**Location**  
L1 Regulated inside climate  
L2 Unregulated inside climate  
L3 Outside

**Hazards**  
H1\* Dangerous chemical substances  
H3 Equipment, machinery, tools  
H4 Electricity  
H5\* Radiation  
H6 Flying particles, falling objects  
H7 Fire, steam, hot surfaces

**Discomforts**  
D1\* Noise  
D3 Odours  
D4 Non-toxic dusts

## Employment Requirements

Education/Training  
4+, 5, R

- Completion of secondary school is usually required.
- Completion of a three-year apprenticeship program *or* a combination of over three years of work experience in the trade and some college or industry courses in welding is usually required to be eligible for trade certification.
- Trade certification is compulsory in Alberta and available, but voluntary in Newfoundland and Labrador, Prince Edward Island, Nova Scotia, New Brunswick, Manitoba, Saskatchewan, British Columbia, Nunavut, the Northwest Territories and the Yukon.
- Interprovincial trade certification (Red Seal) is also available to qualified welders.

## Workplaces/Employers

Manufacturers of structural steel and platework, boilers, heavy machinery, aircraft, ships, and other metal products

Self-employment

Welding contractors

Welding shops

## Occupational Options

Progression to supervisory positions is possible with experience.

Red Seal trade certification for welders allows for interprovincial mobility.

## Similar Occupations Classified Elsewhere

Supervisors of welders in this group (in 7214 *Contractors and Supervisors, Metal Forming, Shaping and Erecting Trades*)

Underwater welders (in 7382 *Commercial Divers*)

Wave soldering machine operators (in 9483 *Electronics Assemblers, Fabricators, Inspectors and Testers*)

Welding inspectors (in 2261 *Nondestructive Testers and Inspectors*)

Welding technologists (in 2212 *Geological and Mineral Technologists and Technicians*)

## Remarks

Welders may specialize in certain types of welding such as custom fabrication, ship building and repair, aerospace precision welding, pressure vessel welding, pipeline construction welding, structural construction welding, or machinery and equipment repair welding.

\*Physical Activities

- For some occupations in this group, **Colour Discrimination 1** (Relevant) may also apply.

\*Environmental Conditions

- For some occupations in this group, **Hazards H1** (Dangerous chemical substances) and **H5** (Radiation), and **Discomforts D1** (Noise) may also apply.



# 7265.2 Welding, Brazing and Soldering Machine Operators

This group includes machine operators who operate previously set up production welding, brazing and soldering equipment.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	4	4	3	3	5	4	4	3

### INTERESTS

OMi

### DATA PEOPLE THINGS (DPT)

684

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	0	1	2	1	2

### ENVIRONMENTAL CONDITIONS (EC)

L1, H3, H6, H7, D1

### EDUCATION/TRAINING

2

## Examples of Job Titles

- brazing machine operator
- brazing machine setter
- laser welding operator
- production welder
- soldering machine operator
- spot welder

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to understand specifications, work orders, diagrams and layouts and operate previously set up welding, brazing and soldering equipment
- **Spatial and form perception and manual dexterity** to mount and centre parts in jaws of holding clamps, align and clamp parts together, and to position them in fixtures, jigs and vises, to set welding machine controls according to specifications, and operate machines using console controls
- **Methodical interest** in comparing machine settings and adjusting welding heads and tooling to job specifications, to select torch tips, braze alloy and flux according to type and thickness of metal as specified by work orders; may adjust welding heads and tooling according to work specifications
- **Objective interest** in operating previously set up welding machines such as spot, butt and seam resistance, gas- and arc-welding machines, and previously set-up brazing and soldering machines to bond metal parts and to fill holes, indentations and seams of metal articles with solder; and in starting up, shutting down, adjusting and monitoring robotic welding production lines
- **Innovative interest** in repairing and fabricating metal parts, and in assisting with the maintenance and repair of welding, brazing and soldering equipment

## Physical Activities

### Vision

- 2 Near vision

### Colour Discrimination

- 0 Not relevant

### Hearing

- 1 Limited

### Body Position

- 2 Standing and/or walking

### Limb Co-ordination

- 1 Upper limb co-ordination

### Strength

- 2 Light

## Environmental Conditions

### Location

- L1 Regulated inside climate

### Hazards

- H3 Equipment, machinery, tools
- H6 Flying particles, falling objects
- H7 Fire, steam, hot surfaces

### Discomforts

- D1 Noise

## Employment Requirements

### Education/Training

- 2

- Some secondary school education is required.
- Several months of on-the-job training are usually provided.
- Experience as a machine operator helper may be required.
- Experience with robotics may be required.

## Workplaces/Employers

Manufacturers of structural steel and platework, boilers, heavy machinery, aircraft, ships, and other metal products

Self-employment

Welding contractors

Welding shops

## Similar Occupations Classified Elsewhere

Supervisors of machine operators in this group (in 7214 *Contractors and Supervisors, Metal Forming, Shaping and Erecting Trades*)

Underwater welders (in 7382 *Commercial Divers*)

Wave soldering machine operators (in 9483 *Electronics Assemblers, Fabricators, Inspectors and Testers*)

Welding inspectors (in 2261 *Nondestructive Testers and Inspectors*)

Welding technologists (in 2212 *Geological and Mineral Technologists and Technicians*)

# 7266.1 Blacksmiths

Blacksmiths forge a variety of metal items such as tools, chains, wrought iron fixtures, agricultural implements and structural components.

## Profile Summary

APTITUDES								
G	V	N	S	P	Q	K	F	M
3	4	3	2	3	4	2	4	2
INTERESTS								
OMI								
DATA PEOPLE THINGS (DPT)								
381								
PHYSICAL ACTIVITIES (PA)								
V	C	H	B	L	S			
2	1	1	4	1	4			
ENVIRONMENTAL CONDITIONS (EC)								
L2, H3, H7, D1, D2, D3, D4								
EDUCATION/TRAINING								
4								

## Examples of Job Titles

anvilsmith  
blacksmith  
hammersmith  
toolsmith

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to understand forging processes and apply forging techniques
- **Spatial and form perception** to form work pieces into desired shapes and sizes
- **Motor co-ordination** to temper, harden and anneal forged items
- **Manual dexterity** to hammer, punch, cut and otherwise form metal work pieces into desired shapes and sizes
- **Objective interest in precision working** to shape metal using power-forging machinery
- **Methodical interest** in heating metal items in forges and in forge-welding structural components
- **Innovative interest in compiling** information to forge special tools from metal and devise special jigs and fixtures

## Physical Activities

### Vision

- 2 Near vision

### Colour Discrimination

- 1 Relevant

### Hearing

- 1 Limited

### Body Position

- 4 Other body positions

### Limb Co-ordination

- 1 Upper limb co-ordination

### Strength

- 4 Heavy

## Environmental Conditions

### Location

- L2 Unregulated inside climate

### Hazards

- H3 Equipment, machinery, tools
- H7 Fire, steam, hot surfaces

### Discomforts

- D1 Noise
- D2 Vibration
- D3 Odours
- D4 Non-toxic dusts

## Employment Requirements

### Education/Training

4

- Completion of secondary school is usually required.
- On-the-job training is provided.
- Several years of experience as a forging machine operator may be required.

## Workplaces/Employers

Fabricated metal products manufacturing companies

Machinery manufacturing companies

Transportation equipment manufacturing companies

## Occupational Options

Progression to supervisory positions is possible with experience.

## Similar Occupations Classified Elsewhere

Agricultural blacksmiths, farriers and horseshoers (in 7383 *Other Trades and Related Occupations*)

*Forging Machine Operators* (9512)

Supervisors of blacksmiths and die setters (in 7214 *Contractors and Supervisors, Metal Forming, Shaping and Erecting Trades*)

# 7266.2 Die Setters

Die setters set up forging machines such as forging presses, drop hammers, forging rolls and upsetters.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	4	4	2	3	4	3	3	3

### INTERESTS

OMi

### DATA PEOPLE THINGS (DPT)

380

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	0	1	4	1	4

### ENVIRONMENTAL CONDITIONS (EC)

L1, H3, D1

### EDUCATION/TRAINING

4

## Examples of Job Titles

die setter

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to understand and apply forging processes and techniques
- **Spatial and form perception** to verify dimensions of sample work pieces according to die set-up specifications
- **Motor co-ordination and finger and manual dexterity** to position, align and bolt dies to the ram and anvil of power presses and hammers
- **Objective interest** in **setting up** and repairing forging machines
- **Methodical interest** in checking initial operations of forging machines to ensure machines are set up properly for use by forging machine operators
- **Innovative interest** in **compiling** information to select dies for forging according to work orders and specifications

## Physical Activities

### Vision

- 2 Near vision

### Colour Discrimination

- 0 Not relevant

### Hearing

- 1 Limited

### Body Position

- 4 Other body positions

### Limb Co-ordination

- 1 Upper limb co-ordination

### Strength

- 4 Heavy

## Environmental Conditions

### Location

- L1 Regulated inside climate

### Hazards

- H3 Equipment, machinery, tools

### Discomforts

- D1 Noise

## Employment Requirements

### Education/Training

4

- Completion of secondary school is usually required.
- On-the-job training is provided.
- Several years of experience as a forging machine operator may be required.

## Workplaces/Employers

Fabricated metal products manufacturing companies

Machinery manufacturing companies

Transportation equipment manufacturing companies

## Occupational Options

Progression to supervisory positions is possible with experience.

## Similar Occupations Classified Elsewhere

Agricultural blacksmiths, farriers and horseshoers (in 7383 *Other Trades and Related Occupations*)

*Forging Machine Operators* (9512)

Supervisors of blacksmiths and die setters (in 7214 *Contractors and Supervisors, Metal Forming, Shaping and Erecting Trades*)

# 7271 Carpenters

Carpenters construct, erect, install, maintain and repair structures and components of structures made of wood, wood substitutes and other materials.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	3	3	3	3	4	3	3	3

### INTERESTS

OMI

### DATA PEOPLE THINGS (DPT)

361

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
3	0	1	4	1	3

### ENVIRONMENTAL CONDITIONS (EC)

L1, L2, L3, H3, H8\*, D1, D4

### EDUCATION/TRAINING

4+, 5, R

## Examples of Job Titles

- apprentice carpenter
- carpenter
- finish carpenter
- journeyman/woman carpenter
- maintenance carpenter
- renovation carpenter
- rough carpenter

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to measure, cut, shape, assemble and join materials made of wood, wood substitutes and other materials
- **Verbal and numerical ability** to calculate requirements from specifications and prepare cost estimates for clients as required
- **Spatial and form perception** to read and interpret blueprints, drawings and sketches to determine specifications
- **Motor co-ordination** to fit and install trim items such as doors, stairs, mouldings and hardware
- **Finger and manual dexterity** to maintain, repair and renovate residences and wood structures in mills, mines, hospitals, industrial plants and other establishments
- **Objective interest in precision working** to prepare layouts that conform to building codes using measuring tools
- **Methodical interest in speaking** to apprentices and other construction workers to supervise their activities
- **Innovative interest in compiling** information to build foundations, install floor beams, lay subflooring and erect walls and roof systems



## Physical Activities

**Vision**  
3 Near and far vision

**Colour Discrimination**  
0 Not relevant

**Hearing**  
1 Limited

**Body Position**  
4 Other body positions

**Limb Co-ordination**  
1 Upper limb co-ordination

**Strength**  
3 Medium

## Environmental Conditions

**Location**  
L1 Regulated inside climate  
L2 Unregulated inside climate  
L3 Outside

**Hazards**  
H3 Equipment, machinery, tools  
H8\* Dangerous locations

**Discomforts**  
D1 Noise  
D4 Non-toxic dusts

## Employment Requirements

**Education/Training**  
4+, 5, R

- Completion of secondary school is usually required.
- Completion of a three- to four-year apprenticeship program  
*or*  
a combination of over four years of work experience in the trade and some high school, college or industry courses in carpentry is usually required to be eligible for trade certification.
- Trade certification is compulsory in Quebec and available but voluntary, in all other provinces and the territories.
- Interprovincial trade certification (Red Seal) is also available to qualified carpenters.

## Workplaces/Employers

Carpentry contractors

Construction companies

Maintenance departments of factories, plants and other establishments

Self-employment

## Occupational Options

Progression to supervisory positions is possible with experience.

Red Seal trade certification allows for interprovincial mobility.

## Similar Occupations Classified Elsewhere

*Cabinetmakers (7272)*

Supervisors of carpenters (in 7215  
*Contractors and Supervisors, Carpentry Trades*)

*Woodworking Machine Operators (9513)*

## Remarks

\*Environmental Conditions

- For some occupations in this group, **Hazards H8** (Dangerous locations) may also apply.

7272

Cabinetmakers

Cabinetmakers use a variety of woods and laminates to construct and repair wooden cabinets, furniture, fixtures and related products.

Profile Summary									Examples of Job Titles	
APTITUDES									cabinetmaker	
G	V	N	S	P	Q	K	F	M	cabinetmaker apprentice	
3	4	3	3	3	4	3	3	2	custom wood furniture maker	
INTERESTS									furniture cabinetmaker	
OMI										
DATA PEOPLE THINGS (DPT)										
381										
PHYSICAL ACTIVITIES (PA)										
V	C	H	B	L	S					
2	1	1	4	1	3					
ENVIRONMENTAL CONDITIONS (EC)										
L1, H3, D1, D3, D4										
EDUCATION/TRAINING										
4+, 5, R										

Descriptor Profile

Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to identify different types of wood, understand their characteristics, and apply the techniques and procedures involved in the construction, assembly and repair of wood furniture, fixtures and equipment
- **Numerical ability** to estimate amounts, types, and costs of materials, as required, for clients
  - **Spatial and form perception** to prepare and study plans, specifications and drawings of articles to be made
  - **Motor co-ordination** to sand wood surfaces and apply veneer, stain and polish to finished products
  - **Manual dexterity** to operate woodworking machines such as power saws, jointers, mortisers, and shapers, and to use hand tools to cut, shape and form parts and components
- **Objective interest in precision working** to trim joints and fit parts and subassemblies together to form complete units using glue and clamps, and to reinforce joints using nails, screws and other fasteners
  - **Methodical interest** in marking outlines for dimensions of parts on wood
  - **Innovative interest in compiling** information to repair and restyle wood furniture, fixtures and related products

## Physical Activities

Vision  
2 Near vision

Colour Discrimination  
1 Relevant

Hearing  
1 Limited

Body Position  
4 Other body positions

Limb Co-ordination  
1 Upper limb co-ordination

Strength  
3 Medium

## Environmental Conditions

Location  
L1 Regulated inside climate

Hazards  
H3 Equipment, machinery, tools

Discomforts  
D1 Noise  
D3 Odours  
D4 Non-toxic dusts

## Employment Requirements

Education/Training  
4+, 5, R

- Completion of secondary school is usually required.
- Completion of a four-year apprenticeship program *or* a combination of over four years of work experience in the trade and some high school or college courses in cabinetmaking is usually required to be eligible for trade certification.
- Trade certification is available, but voluntary, in Newfoundland and Labrador, Nova Scotia, Prince Edward Island, New Brunswick, Quebec, Ontario, Manitoba, Alberta, British Columbia, Nunavut, the Northwest Territories and the Yukon.
- Interprovincial trade certification (Red Seal) is also available to qualified cabinetmakers.

## Workplaces/Employers

Cabinetmaking contractors  
Construction companies  
Furniture manufacturing or repair companies  
Self-employment

## Occupational Options

Progression to supervisory positions is possible with experience.

Red Seal trade certification allows for interprovincial mobility.

## Similar Occupations Classified Elsewhere

*Carpenters (7271)*

Supervisors of cabinetmakers (in 7215 *Contractors and Supervisors, Carpentry Trades*)

*Woodworking Machine Operators (9513)*

# 7281     Bricklayers

Bricklayers lay bricks, concrete blocks, stone and other similar materials to construct and repair walls, arches, chimneys, fireplaces and other structures according to blueprints and specifications.

## Profile Summary

APTITUDES									
G	V	N	S	P	Q	K	F	M	
3	4	3	3	4	4	3	4	3	
INTERESTS									
OMI									
DATA PEOPLE THINGS (DPT)									
381									
PHYSICAL ACTIVITIES (PA)									
V	C	H	B	L	S				
3	1	1	4	2	4				
ENVIRONMENTAL CONDITIONS (EC)									
L1, L2, L3, H3, H8*, D4									
EDUCATION/TRAINING									
4+, 5, R									

## Examples of Job Titles

apprentice bricklayer  
bricklayer  
brickmason  
refractory bricklayer  
stonecutter  
stonemason

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to prepare and lay bricks, concrete blocks, stone, structural tiles and similar materials to construct and repair walls, foundations and other structures in residential, industrial and commercial construction
- **Spatial and form perception** to visualize a structure from drawings, blueprints and specifications and the positioning of materials and sequences of operation required to form the structure
- **Numerical ability** to calculate material requirements from sketches, blueprints and specifications
- **Objective interest in precision working** to lay bricks and other masonry units to build residential and commercial chimneys and fireplaces; to lay radial bricks to build masonry shells of industrial chimneys; to lay and install firebricks to line industrial chimneys and smokestacks; to lay bricks, stone and similar materials to provide veneers to walls and other surfaces; to lay bricks and other masonry units to build patios, garden walls and other decorative installations; and to cut and trim bricks and concrete blocks using hand and power tools
- **Methodical interest** in lining and relining furnaces, kilns, boilers and similar installations using refractory and acid-resistant bricks, refractory concretes, plastic refractories and other materials; may restore, clean and paint existing masonry structures
- **Innovative interest in compiling** information to construct and install prefabricated masonry units

---

## Physical Activities

**Vision**  
3 Near and far vision

**Colour Discrimination**  
1 Relevant

**Hearing**  
1 Limited

**Body Position**  
4 Other body positions

**Limb Co-ordination**  
2 Multiple limb co-ordination

**Strength**  
4 Heavy

---

## Environmental Conditions

**Location**  
L1 Regulated inside climate  
L2 Unregulated inside climate  
L3 Outside

**Hazards**  
H3 Equipment, machinery, tools  
H8\* Dangerous locations

**Discomforts**  
D4 Non-toxic dusts

---

## Employment Requirements

Education/Training  
4+, 5, R

- Completion of secondary school is usually required.
- Completion of a three- to four-year apprenticeship program *or* a combination of over four years of work experience in the trade and some high school, college or industry courses in bricklaying is usually required to be eligible for trade certification.
- Trade certification for bricklayers is compulsory in Nova Scotia, New Brunswick and Quebec and available, but voluntary, in all other provinces and the Yukon.
- Trade certification for stonemasons is available, but voluntary, in Newfoundland and Labrador.
- Interprovincial trade certification (Red Seal) is also available to qualified bricklayers.

---

## Workplaces/Employers

Construction companies  
Masonry contractors  
Self-employment

---

## Occupational Options

Progression to supervisory positions is possible with experience.

Red Seal trade certification allows for interprovincial mobility.

---

## Similar Occupations Classified Elsewhere

*Concrete Finishers (7282)*

Supervisors of bricklayers (in 7219 *Contractors and Supervisors, Other Construction Trades, Installers, Repairers and Servicers*)

*Tilesetters (7283)*

---

## Remarks

\*Environmental Conditions

- For some occupations in this group, **Hazards H8** (Dangerous locations) may also apply.

# 7282 Concrete Finishers

Concrete finishers smooth and finish freshly poured concrete, apply curing and surface treatments and install, maintain and restore various masonry structures such as residential foundations and floors, sidewalks, roads, patios and high rise buildings.

## Profile Summary

APTITUDES									
G	V	N	S	P	Q	K	F	M	
3	4	4	4	4	5	3	4	3	
INTERESTS									
OMi									
DATA PEOPLE THINGS (DPT)									
584									
PHYSICAL ACTIVITIES (PA)									
V	C	H	B	L	S				
3	0	1	4	1	3				
ENVIRONMENTAL CONDITIONS (EC)									
L2, L3, H3, H8*, D1, D2, D4									
EDUCATION/TRAINING									
4+, 5, R									

## Examples of Job Titles

- cement finisher apprentice
- cement mason
- concrete finisher
- concrete mason
- precast concrete finisher

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to pour, smooth, cast, cure and finish concrete and concrete structures, and to waterproof, damp-proof and restore concrete surfaces

- **Motor co-ordination** to check formwork, granular base and steel reinforcement materials, and to direct placement of concrete into forms and onto surfaces according to grade
- **Manual dexterity** to install anchor bolts, steel plates, door sills and other fixtures in freshly poured concrete, and to apply finish to concrete surfaces using hand and power tools
- **Objective interest in operating** hand tools, power tools and power vibrators to compact concrete

- **Methodical interest in copying** information to fill hollows and remove high spots to smooth freshly poured concrete; and in applying hardening and sealing compounds to cure concrete surfaces
- **Innovative interest** in repairing, resurfacing and replacing worn and damaged sections of floors, walls, roads and other concrete structures



## Physical Activities

Vision  
3 Near and far vision

Colour Discrimination  
0 Not relevant

Hearing  
1 Limited

Body Position  
4 Other body positions

Limb Co-ordination  
1 Upper limb co-ordination

Strength  
3 Medium

## Environmental Conditions

Location  
L2 Unregulated inside climate  
L3 Outside

Hazards  
H3 Equipment, machinery, tools  
H8\* Dangerous locations

Discomforts  
D1 Noise  
D2 Vibration  
D4 Non-toxic dusts

## Employment Requirements

Education/Training  
4+, 5, R

- Completion of secondary school is usually required.
- Completion of a two- to four-year apprenticeship program *or* over three years of work experience in the trade and some high school, college or industry courses in cement finishing are usually required to be eligible for trade certification.
- Trade certification is compulsory in Quebec and available, but voluntary, in all other provinces.
- Interprovincial trade certification (Red Seal) is also available to qualified concrete finishers.

## Workplaces/Employers

Cement and concrete contractors  
Construction companies  
Manufacturers of precast concrete products  
Self-employment

## Occupational Options

Progression to supervisory positions is possible with experience.

Red Seal trade certification allows for interprovincial mobility.

## Similar Occupations Classified Elsewhere

*Bricklayers (7281)*

Concrete products machine operators (in 9414 *Concrete, Clay and Stone Forming Operators*)

Supervisors of concrete finishers (in 7219 *Contractors and Supervisors, Other Construction Trades, Installers, Repairers and Servicers*)

## Remarks

\*Environmental Conditions

- For some occupations in this group, Hazards H8 (Dangerous locations) may also apply.



# 7283     Tilesetters

Tilesetters cover interior and exterior walls, floors and ceilings with ceramic, marble and quarry tile, mosaics and terrazzo.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	4	3	3	4	4	3	4	3

### INTERESTS

OMI

### DATA PEOPLE THINGS (DPT)

381

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
3	1	1	4	2	3

### ENVIRONMENTAL CONDITIONS (EC)

L1, L2, L3, H1, H3, D4

### EDUCATION/TRAINING

4+, 5, R

## Examples of Job Titles

apprentice tilesetter  
ceramic tile installer  
marble setter  
terrazzo polisher  
terrazzo worker  
tile installer  
tilesetter

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to prepare, measure and mark surfaces to be covered, and to build underbeds and install anchor bolts, wires, brackets and tile strips
- **Numerical ability** to prepare cost estimates as required
- **Spatial perception** to lay and set mosaic tiles to create decorative wall, mural and floor designs
- **Motor co-ordination** to set tiles in position, to apply pressure to affix tiles to base, and to mix, lay and polish terrazzo surfaces
- **Manual dexterity** to mix, apply and spread mortar, cement, mastic, glue and other adhesives using hand trowels, as well as to align and straighten tiles using levels, squares and straightedges
- **Objective interest in precision working** to cut and fit tiles around obstacles and openings
- **Methodical interest in compiling** information to pack grout into joints between tiles and remove the excess; and in cutting, polishing and installing marble and granite
- **Innovative interest** in creating decorative designs and in removing and replacing damaged tiles

---

## Physical Activities

---

### Vision

- 3 Near and far vision

### Colour Discrimination

- 1 Relevant

### Hearing

- 1 Limited

### Body Position

- 4 Other body positions

### Limb Co-ordination

- 2 Multiple limb co-ordination

### Strength

- 3 Medium

---

## Environmental Conditions

---

### Location

- L1 Regulated inside climate
- L2 Unregulated inside climate
- L3 Outside

### Hazards

- H1 Dangerous chemical substances
- H3 Equipment, machinery, tools

### Discomforts

- D4 Non-toxic dusts

---

## Employment Requirements

---

### Education/Training

4+, 5, R

- Completion of secondary school is usually required.
- Completion of a three- or four-year apprenticeship program  
or  
a combination of over three years of work experience in the trade and some high school, college or industry courses in tiling is usually required to be eligible for trade certification.
- Trade certification is compulsory in Quebec and available, but voluntary, in Saskatchewan, Alberta and British Columbia.

---

## Workplaces/Employers

---

Construction companies

Self-employment

Tile contractors

---

## Occupational Options

---

In provinces where there is no apprenticeship, this trade is usually learned through several years of on-the-job training.

Progression to supervisory positions is possible with experience.

---

## Similar Occupations Classified Elsewhere

---

*Bricklayers (7281)*

*Plasterers, Drywall Installers and Finishers and Lathers (7284)*

Supervisors of tilers (in 7219 *Contractors and Supervisors, Other Construction Trades, Installers, Repairers and Servicers*)

# 7284.1 Plasterers

Plasterers apply finish, and maintain and restore plaster and similar materials, on interior and exterior walls, ceilings and building partitions to produce plain and decorative surfaces.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	4	4	3	4	5	3	4	3

### INTERESTS

MOI

### DATA PEOPLE THINGS (DPT)

581

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
3	0	1	4	2	3

### ENVIRONMENTAL CONDITIONS (EC)

L1, L3, H8\*, D4

### EDUCATION/TRAINING

4+, 5, R

## Examples of Job Titles

plasterer  
plasterer apprentice

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to clean and prepare surfaces, to apply, level and smooth coats of plaster, and to cure freshly plastered surfaces
- **Spatial perception** to mould and install ornamental plaster panels, cornices and trims
- **Motor co-ordination** to spray acoustic materials and texture finish over walls and ceilings
- **Manual dexterity** to trowel and spray coats of stucco over exteriors of buildings to form weatherproof surfaces
- **Methodical interest** in **copying** information to mix plaster ingredients in troughs to desired consistency
- **Objective interest** in **precision working** to finish corners and angles
- **Innovative interest** in producing decorative surfaces and in creating decorative textures and designs as required

## Physical Activities

**Vision**  
3 Near and far vision

**Colour Discrimination**  
0 Not relevant

**Hearing**  
1 Limited

**Body Position**  
4 Other body positions

**Limb Co-ordination**  
2 Multiple limb co-ordination

**Strength**  
3 Medium

## Environmental Conditions

**Location**  
L1 Regulated inside climate  
L3 Outside

**Hazards**  
H8\* Dangerous locations

**Discomforts**  
D4 Non-toxic dusts

## Employment Requirements

Education/Training  
4+, 5, R

- Completion of secondary school is usually required.
- Completion of a three- or four-year apprenticeship program in plastering *or* a combination of over three years of work experience and some high school, college or industry courses in plastering is usually required.
- Plasterer trade certification is compulsory in Quebec and available, but voluntary, in Saskatchewan and British Columbia.

## Workplaces/Employers

Construction companies  
Plastering contractors  
Self-employment

## Occupational Options

Progression to supervisory positions is possible with experience.

## Similar Occupations Classified Elsewhere

Supervisors of trade workers in this group (in 7219 *Contractors and Supervisors, Other Construction Trades, Installers, Repairers and Servicers*)

## Remarks

- \*Environmental Conditions
- For some occupations in this group, **Hazards H8** (Dangerous locations) may also apply.

# 7284.2 Drywall Installers and Finishers

Drywall installers and finishers install and finish drywall sheets and various types of ceiling systems.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	4	4	3	4	5	3	4	3

### INTERESTS

MOi

### DATA PEOPLE THINGS (DPT)

581

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
3	0	1	4	2	4

### ENVIRONMENTAL CONDITIONS (EC)

L1, L2, H3, H8\*, D4

### EDUCATION/TRAINING

4+, 5, R

## Examples of Job Titles

- acoustical ceiling installer
- ceiling installer
- drywall applicator
- drywall finisher
- drywall installer and finisher apprentice
- drywall taper
- sheetrock applicator

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to measure, cut and fit drywall sheets for installation on walls and ceilings
- **Spatial perception** to install suspended metal ceiling grids and to fit and place panels to form acoustical and coffered ceilings
- **Motor co-ordination** to position and secure sheets to metal and wood studs and joists
- **Manual dexterity** to tape over joints using taping machines, embed tape in compound and smooth out excess compound
- **Methodical interest in copying** information to apply successive coats of compound and to sand seams and joints
- **Objective interest in precision working** to fill joints, nail indentations, holes and cracks with joint compound using trowels and broad knives
- **Innovative interest** in fabricating metal ceiling grids, and in cutting and installing metal corner beads to protect exterior corners

## Physical Activities

**Vision**  
3 Near and far vision

**Colour Discrimination**  
0 Not relevant

**Hearing**  
1 Limited

**Body Position**  
4 Other body positions

**Limb Co-ordination**  
2 Multiple limb co-ordination

**Strength**  
4 Heavy

## Environmental Conditions

**Location**  
L1 Regulated inside climate  
L2 Unregulated inside climate

**Hazards**  
H3 Equipment, machinery, tools  
H8\* Dangerous locations

**Discomforts**  
D4 Non-toxic dusts

## Employment Requirements

**Education/Training**  
4+, 5, R

- Completion of secondary school is usually required.
- Completion of a three- or four-year apprenticeship program in drywalling *or* a combination of over three years of work experience and some high school, college or industry courses in drywalling is usually required.
- Drywall installer and finisher trade certification is available, but voluntary, in British Columbia.

## Workplaces/Employers

Construction companies  
Drywalling contractors  
Self-employment

## Occupational Options

Progression to supervisory positions is possible with experience.

## Similar Occupations Classified Elsewhere

Supervisors of trade workers in this group (in 7219 *Contractors and Supervisors, Other Construction Trades, Installers, Repairers and Servicers*)

## Remarks

- \*Environmental Conditions
- For some occupations in this group, Hazards H8 (Dangerous locations) may also apply.

# 7284.3 Lathers

Lathers install support framework for ceiling systems, interior and exterior walls and building partitions.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	4	4	3	4	4	3	4	3

### INTERESTS

MOI

### DATA PEOPLE THINGS (DPT)

581

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
3	0	1	4	2	3

### ENVIRONMENTAL CONDITIONS (EC)

L1, L2, H3, H8\*

### EDUCATION/TRAINING

4+, 5, R

## Examples of Job Titles

interior systems mechanic

lather

lather apprentice

wood lather

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to install metal stud framing and furring for interior drywall and plaster walls and ceilings
- **Spatial perception** to prepare wall and ceiling layouts
- **Motor co-ordination** and **manual dexterity** to use hand and power tools to install framing and furring
- **Methodical interest** in **copying** information to attach metal and gypsum lath to studs and furring using nails, screws, clips and wire ties
- **Objective interest** in **precision working** to cut openings in lath for heating and ventilation piping, ducts and electrical outlets; may install acoustic tile, hangers for suspended ceilings and metal studs for composition wallboards and laths
- **Innovative interest** in installing corner beads and wire mesh around beams for plastering



---

**Physical Activities**

---

**Vision**  
3 Near and far vision

**Colour Discrimination**  
0 Not relevant

**Hearing**  
1 Limited

**Body Position**  
4 Other body positions

**Limb Co-ordination**  
2 Multiple limb co-ordination

**Strength**  
3 Medium

---

**Environmental Conditions**

---

**Location**  
L1 Regulated inside climate  
L2 Unregulated inside climate

**Hazards**  
H3 Equipment, machinery, tools  
H8\* Dangerous locations

---

**Employment Requirements**

---

**Education/Training**  
4+, 5, R

- Completion of secondary school is usually required.
- Completion of a three- or four-year apprenticeship program in lathing *or* a combination of over three years of work experience and some high school, college or industry courses in lathing is usually required.
- Lather trade certification is compulsory in Quebec and available, but voluntary, in all other provinces and the Yukon.
- Interprovincial trade certification (Red Seal) is also available to qualified lathers (interior systems mechanic).

---

**Workplaces/Employers**

---

Construction companies  
Lathing contractors  
Self-employment

---

**Occupational Options**

---

Progression to supervisory positions is possible with experience.

Red Seal trade certification for lathers (interior systems mechanic) allows for interprovincial mobility.

---

**Similar Occupations Classified Elsewhere**

---

Supervisors of trade workers in this group (in 7219 *Contractors and Supervisors, Other Construction Trades, Installers, Repairers and Servicers*)

---

**Remarks**

---

\*Environmental Conditions

- For some occupations in this group, **Hazards H8** (Dangerous locations) may also apply.

# 7291.1 Roofers

Roofers install, repair and replace flat roofs and shingles, shakes and other roofing tiles on sloped roofs.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	4	3	3	3	4	3	3	3

### INTERESTS

MOi

### DATA PEOPLE THINGS (DPT)

584

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
3	1	1	4	2	4

### ENVIRONMENTAL CONDITIONS (EC)

L3, H3, H7, H8, D1, D3

### EDUCATION/TRAINING

4+, 5, R

## Examples of Job Titles

- apprentice roofer
- asphalt roofer
- built-up roofer
- flat roofer
- residential steep roofer
- roofer
- single-ply roofer

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to install, repair and replace built-up roofing systems using materials such as asphalt-saturated felts and hot asphalt and gravel, and single-ply roofing systems using waterproof sheet materials such as modified plastics, elastometric and other asphaltic compositions
- **Numerical ability** to estimate materials required and quote costs when required
- **Spatial and form perception** to set up scaffolding to provide safe access to roofs
- **Motor co-ordination and finger and manual dexterity** to install, repair and replace roofing systems and tiles and sheet metal flashings
- **Methodical interest** in **copying** information to apply waterproof coatings to concrete and other masonry surfaces above, and below, ground level
- **Objective interest** in **operating** hand and power tools to install and repair metal roofs
- **Innovative interest** in repairing roofing systems, and in installing, repairing and replacing shingles, shakes and other roofing tiles on sloped roofs

## Physical Activities

### Vision

- 3 Near and far vision

### Colour Discrimination

- 1 Relevant

### Hearing

- 1 Limited

### Body Position

- 4 Other body positions

### Limb Co-ordination

- 2 Multiple limb co-ordination

### Strength

- 4 Heavy

## Environmental Conditions

### Location

- L3 Outside

### Hazards

- H3 Equipment, machinery, tools
- H7 Fire, steam, hot surfaces
- H8 Dangerous locations

### Discomforts

- D1 Noise
- D3 Odours

## Employment Requirements

### Education/Training

4+, 5, R

- Completion of secondary school is usually required.
- For roofers, completion of a two- to three-year apprenticeship program *or* over three years of work experience in the trade are usually required to be eligible for trade certification.
- Roofing trade certification is compulsory in Quebec and British Columbia and available, but voluntary, in Newfoundland and Labrador, Nova Scotia, Prince Edward Island, New Brunswick, Manitoba, Saskatchewan, Alberta, Nunavut, the Northwest Territories and the Yukon.
- Trade certification for residential steep roofers is available, but voluntary, in British Columbia.
- Interprovincial trade certification (Red Seal) is also available to qualified roofers.

## Workplaces/Employers

General contractors

Roofing contractors

Self-employment

## Occupational Options

Progression to supervisory positions is possible with experience.

Red Seal trade certification for roofers allows for interprovincial mobility.

## Similar Occupations Classified Elsewhere

Supervisors of roofers and shinglers (in 7219 *Contractors and Supervisors, Other Construction Trades, Installers, Repairers and Servicers*)

# 7291.2 Shinglers

Shinglers install and replace shingles, tiles and similar coverings on sloped roofs.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	4	3	3	4	4	3	3	3

### INTERESTS

MOi

### DATA PEOPLE THINGS (DPT)

684

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
3	1	1	4	2	4

### ENVIRONMENTAL CONDITIONS (EC)

L3, H3, H8, D1

### EDUCATION/TRAINING

4

## Examples of Job Titles

shingler

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to cover structures with shingles to form waterproof surfaces
- **Spatial and form perception** to set up scaffolding and provide safe access to roofs
- **Motor co-ordination and finger and manual dexterity** to lay and secure shingles and apply waterproofing and sealing compounds
- **Methodical interest in operating** hand and power tools to install and replace asphalt shingles, wood shingles and shakes, and masonry and baked-clay roofing tiles on sloped roofs
- **Objective interest** in cutting shingles to fit around vent stacks, chimneys and corners
- **Innovative interest in comparing** information to determine designs and patterns when laying shingles

---

**Physical Activities**

---

Vision  
3 Near and far vision

Colour Discrimination  
1 Relevant

Hearing  
1 Limited

Body Position  
4 Other body positions

Limb Co-ordination  
2 Multiple limb co-ordination

Strength  
4 Heavy

---

**Environmental Conditions**

---

Location  
L3 Outside

Hazards  
H3 Equipment, machinery, tools  
H8 Dangerous locations

Discomforts  
D1 Noise

---

**Employment Requirements**

---

Education/Training  
4

- Completion of secondary school is usually required.
- Shinglers require one to two years of on-the-job training.

---

**Workplaces/Employers**

---

General contractors  
Roofing contractors  
Self-employment

---

**Occupational Options**

---

Progression to supervisory positions is possible with experience.

---

**Similar Occupations Classified Elsewhere**

---

Supervisors of roofers and shinglers (in 7219 *Contractors and Supervisors, Other Construction Trades, Installers, Repairers and Servicers*)

Glaziers cut, fit, install and replace glass in residential, commercial and industrial buildings, on exterior walls of buildings and other structures, and in furniture and other products.

### Profile Summary

APTITUDES								
G	V	N	S	P	Q	K	F	M
3	4	3	3	3	4	3	4	3
INTERESTS								
MOI								
DATA PEOPLE THINGS (DPT)								
361								
PHYSICAL ACTIVITIES (PA)								
V	C	H	B	L	S			
3	0*	1	4	2	3			
ENVIRONMENTAL CONDITIONS (EC)								
L1, L2, L3, H3, H8*								
EDUCATION/TRAINING								
4+, 5, R								

### Examples of Job Titles

- glazier
- glazier and metal mechanic
- glazier apprentice
- plate glass installer
- stained glass glazier
- structural glass glazier

### Descriptor Profile

#### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to assemble and install prefabricated glass, mirrors and glass products on walls, ceilings and exteriors of buildings, and to fabricate metal frames for glass installation

▪ **Numerical ability** to prepare cost estimates for customers as required
- **Spatial and form perception** to read and interpret blueprints and specifications to determine type and thickness of glass, frames, installation procedures and materials required, and to assemble, erect and dismantle scaffolds, rigging and hoisting equipment

▪ **Motor co-ordination and manual dexterity** to position glass panes into frames and secure glass using clips, points and mouldings, to repair and service residential windows, commercial aluminum doors and other glass supporting structures, and to replace damaged glass and faulty sealants

▪ **Methodical interest in compiling** information to install pre-cut mirrors and opaque and transparent glass in furniture and other products
- **Objective interest in precision working** to measure, mark and cut glass using manual and computerized glass cutters and to replace glass in furniture and other products; and to install, fit, fabricate and attach architectural metals and related substitute products in commercial and residential buildings

▪ **Innovative interest in speaking** with customers when preparing estimates; in preparing and installing skylights, showcases and aquariums and stained and other special glass in churches, museums, sports and other establishments; and in tinting glass and creating patterns on glass by etching, sandblasting and painting designs



### Physical Activities

**Vision**  
3 Near and far vision

**Colour Discrimination**  
0\* Not relevant

**Hearing**  
1 Limited

**Body Position**  
4 Other body positions

**Limb Co-ordination**  
2 Multiple limb co-ordination

**Strength**  
3 Medium

### Environmental Conditions

**Location**  
L1 Regulated inside climate  
L2 Unregulated inside climate  
L3 Outside

**Hazards**  
H3 Equipment, machinery, tools  
H8\* Dangerous locations

### Employment Requirements

Education/Training  
4+, 5, R

- Completion of secondary school is usually required.
- Completion of a three- or four-year apprenticeship program *or* a combination of over four years of work experience in the trade and some high school, college or industry courses in glazing is usually required to be eligible for trade certification.
- Trade certification is compulsory in Quebec and available, but voluntary, in all other provinces and territories.
- Interprovincial trade certification (Red Seal) is also available to qualified glaziers.

### Workplaces/Employers

Construction glass installation contractors  
Glass fabrication shops  
Retail service and repair shops  
Self-employment

### Occupational Options

Progression to supervisory positions is possible with experience.

Red Seal trade certification allows for interprovincial mobility.

### Similar Occupations Classified Elsewhere

*Glass Forming and Finishing Machine Operators and Glass Cutters (9413)*

Supervisors of glaziers (in 7219 *Contractors and Supervisors, Other Construction Trades, Installers, Repairers and Servicers*)

### Remarks

\*Physical Activities

- For some occupations in this group, Colour Discrimination 1 (Relevant) may also apply.

\*Environmental Conditions

- For some occupations in this group, Hazards H8 (Dangerous locations) may also apply.



# 7293   Insulators

Insulators apply insulation materials to plumbing, air-handling, heating, cooling and refrigeration systems, piping equipment and pressure vessels, and walls, floors and ceilings of buildings and other structures in order to prevent or reduce the passage of heat, cold, sound and fire.

## Profile Summary

APTITUDES								
G	V	N	S	P	Q	K	F	M
3	3	4	3	4	5	3	4	3
INTERESTS								
MOI								
DATA PEOPLE THINGS (DPT)								
584								
PHYSICAL ACTIVITIES (PA)								
V	C	H	B	L	S			
3	0	1	4	2	3			
ENVIRONMENTAL CONDITIONS (EC)								
L1, L2, H1*, H3, D4								
EDUCATION/TRAINING								
4+, 5, R								

## Examples of Job Titles

boiler and pipe insulator  
building insulator  
firestopping insulator  
heat and frost insulator  
insulation applicator  
insulation mechanic  
insulator  
insulator apprentice  
sound insulator

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning** and **verbal ability** and **spatial perception** to read and interpret specifications and drawings to determine insulation requirements and select types of insulation required
- **Motor co-ordination** and **manual dexterity** to apply and secure insulation using spraying, blowing, pasting, strapping, taping and other application and installation methods, as well as to remove asbestos and other types of insulation from buildings
- **Methodical interest** in **copying** information to apply waterproofing cement over insulating materials to finish surfaces, and to install vapour barriers
- **Objective interest** in **operating** hand and power tools to measure and cut insulating materials to required dimensions
- **Innovative interest** in fitting insulation around obstructions and between studs and joints

## Physical Activities

### Vision

- 3 Near and far vision

### Colour Discrimination

- 0 Not relevant

### Hearing

- 1 Limited

### Body Position

- 4 Other body positions

### Limb Co-ordination

- 2 Multiple limb co-ordination

### Strength

- 3 Medium

## Environmental Conditions

### Location

- L1 Regulated inside climate  
L2 Unregulated inside climate

### Hazards

- H1\* Dangerous chemical substances  
H3 Equipment, machinery, tools

### Discomforts

- D4 Non-toxic dusts

## Employment Requirements

### Education/Training

4+, 5, R

- Completion of secondary school is usually required.
- Completion of a three- to four-year apprenticeship program  
or  
a combination of over four years of work experience in the trade and some high school, college or industry courses in insulating is usually required to be eligible for trade certification.
- Trade certification is compulsory in Quebec and available, but voluntary, in Newfoundland and Labrador, Prince Edward Island, Nova Scotia, New Brunswick, Saskatchewan, Alberta, British Columbia, Nunavut, the Northwest Territories and the Yukon.
- Interprovincial trade certification (Red Seal) is also available to qualified insulators (heat and frost).

## Workplaces/Employers

Construction companies  
Insulation contractors  
Self-employment

## Occupational Options

Progression to supervisory positions is possible with experience.

Red Seal trade certification allows for interprovincial mobility.

## Similar Occupations Classified Elsewhere

Supervisors of insulators (in 7219 *Contractors and Supervisors, Other Construction Trades, Installers, Repairers and Servicers*)

## Remarks

Insulators may specialize in particular types of insulating, such as asbestos abatement, sprayed insulation materials or fire-stopping insulation.

\*Environmental Conditions

- For some occupations in this group, **Hazards** H1 (Dangerous chemical substances) may also apply.

# 7294 Painters and Decorators

Painters and decorators apply paint, wallpaper and other finishes to interior and exterior surfaces of buildings and other structures.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	3	3	3	3	5	3	3	3

### INTERESTS

MOI

### DATA PEOPLE THINGS (DPT)

564

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
3	1	2	4	2	3

### ENVIRONMENTAL CONDITIONS (EC)

L1, L3, H1, H3, H8\*, D3, D4

### EDUCATION/TRAINING

4+, 5, R

## Examples of Job Titles

construction painter  
maintenance painter  
painter  
painter and decorator  
painter and decorator apprentice  
paperhanger

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to apply paint and other materials such as stains, lacquer, enamel, oil, varnish, fibreglass, metal coating and fire retardant to interior and exterior surfaces of buildings and other structures
- **Verbal ability and spatial and form perception** to read and interpret specifications
- **Numerical ability** to determine quantities of materials required; may provide cost estimates to clients
- **Motor co-ordination** to assemble and erect scaffolding and swing gates
- **Finger and manual dexterity** to measure, cut and apply wallpaper and fabric to walls
- **Methodical interest in copying** information to mix and thin paint to obtain desired colour and texture; in preparing and cleaning surfaces using methods such as scraping, sanding, sandblasting, hydroblasting and steam-cleaning; in removing old wallpaper and loose paint; in repairing cracks and holes in walls; and in sandpapering and applying sealers
- **Objective interest in operating** spray equipment and other associated equipment; and in using brushes and rollers to apply paint and other materials
- **Innovative interest in speaking** to customers to provide advice on colour schemes and wall coverings

## Physical Activities

### Vision

- 3 Near and far vision

### Colour Discrimination

- 1 Relevant

### Hearing

- 2 Verbal interaction

### Body Position

- 4 Other body positions

### Limb Co-ordination

- 2 Multiple limb co-ordination

### Strength

- 3 Medium

## Environmental Conditions

### Location

- L1 Regulated inside climate  
L3 Outside

### Hazards

- H1 Dangerous chemical substances  
H3 Equipment, machinery, tools  
H8\* Dangerous locations

### Discomforts

- D3 Odours  
D4 Non-toxic dusts

## Employment Requirements

### Education/Training

4+, 5, R

- Completion of secondary school is usually required.
- Completion of a three- to four-year apprenticeship program  
*or*  
over four years of work experience in the trade and some high school, college or industry courses in painting is usually required to be eligible for trade certification.
- Trade certification is compulsory in Quebec and available, but voluntary, in all other provinces and territories.
- Interprovincial trade certification (Red Seal) is also available to qualified painters and decorators.

## Workplaces/Employers

Building maintenance contractors  
Construction companies  
Painting contractors  
Self-employment

## Occupational Options

Progression to supervisory positions is possible with experience.

Red Seal trade certification allows for interprovincial mobility.

## Similar Occupations Classified Elsewhere

Automotive painters (in 7322 *Motor Vehicle Body Repairers*)

Interior decorators (in 6421 *Retail Salespersons and Sales Clerks*)

*Painters and Coaters – Industrial* (9496)

*Painters, Sculptors and Other Visual Artists* (5136)

Supervisors of painters and decorators (in 7219 *Contractors and Supervisors, Other Construction Trades, Installers, Repairers and Servicers*)

## Remarks

\*Environmental Conditions

- For some occupations in this group, Hazards H8 (Dangerous locations) may also apply.

# 7295 Floor Covering Installers

Floor covering installers install carpet, wood, linoleum, vinyl and other resilient floor coverings in residential, commercial, industrial and institutional buildings.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	4	3	3	3	4	3	4	3

### INTERESTS

MOI

### DATA PEOPLE THINGS (DPT)

464

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
3	1	2	4	2	4

### ENVIRONMENTAL CONDITIONS (EC)

L1, L2, H1\*, H3, D3\*

### EDUCATION/TRAINING

4+, 5, R

## Examples of Job Titles

- carpet installer
- carpet layer
- floor covering installer
- floor covering installer apprentice
- floor covering mechanic
- resilient floor installer
- rug installer
- vinyl floor installer

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to measure, cut and install carpeting, resilient floor covering and hardwood floors
- **Numerical ability** to estimate material and labour costs as required
- **Motor co-ordination** to stretch carpeting using knee-kickers and power stretchers to secure carpeting to floors and other surfaces and to install hardwood floors, such as strip floors, block floors and plank floors, using glue, staples, nails and other means
- **Manual dexterity** to measure, cut and fasten underlay and underpadding, and to install floor coverings using adhesives and rollers and other hand tools
- **Methodical interest in computing** to estimate costs for material and labour
- **Objective interest in operating** hand and machine stitchers, staple guns and seaming irons and in using bonding tape and bonding materials to install carpeting; and in operating power stretchers and other devices to stretch carpeting
- **Innovative interest in speaking** with customers and other workers to inspect and repair damaged floor coverings and to inspect, measure and mark surfaces to be covered

---

**Physical Activities**


---

**Vision**

- 3 Near and far vision

**Colour Discrimination**

- 1 Relevant

**Hearing**

- 2 Verbal interaction

**Body Position**

- 4 Other body positions

**Limb Co-ordination**

- 2 Multiple limb co-ordination

**Strength**

- 4 Heavy

---

**Environmental Conditions**


---

**Location**

- L1 Regulated inside climate  
L2 Unregulated inside climate

**Hazards**

- H1\* Dangerous chemical substances  
H3 Equipment, machinery, tools

**Discomforts**

- D3\* Odours

---

**Employment Requirements**


---

**Education/Training**

4+, 5, R

- Completion of secondary school is usually required.
- Completion of a two- to three-year apprenticeship program *or* over four years of work experience in the trade and some high school, college or industry courses in floor covering installation is usually required to be eligible for trade certification.
- Trade certification is compulsory in Quebec and available, but voluntary, in Newfoundland and Labrador, Prince Edward Island, Nova Scotia, New Brunswick, Manitoba, Saskatchewan, Alberta, British Columbia, Nunavut and the Northwest Territories.
- Interprovincial trade certification (Red Seal) is also available to qualified floor covering installers.

---

**Workplaces/Employers**


---

Carpet outlets  
Construction companies  
Floor-covering contractors  
Self-employment

---

**Occupational Options**


---

Progression to supervisory positions is possible with experience.

Red Seal trade certification allows for interprovincial mobility.

---

**Similar Occupations Classified Elsewhere**


---

Supervisors of floor covering installers (in 7219 *Contractors and Supervisors, Other Construction Trades, Installers, Repairers and Servicers*)

---

**Remarks**


---

\*Environmental Conditions

- For some occupations in this group, **Hazards** H1 (Dangerous chemical substances) and **Discomforts** D3 (Odours) may also apply.



7311

Construction Millwrights and Industrial Mechanics  
(Except Textile)

Construction millwrights and industrial mechanics install, maintain, troubleshoot and repair stationary industrial machinery and mechanical equipment.

Profile Summary

Aptitudes

G	V	N	S	P	Q	K	F	M
3	4	3	2	3	4	3	3	3

Interests

OIM

Data People Things (DPT)

260

Physical Activities (PA)

V	C	H	B	L	S
3	0	1	4	1	4

Environmental Conditions (EC)

L1, L2, H3, H6, D1, D4\*

Education/Training

4+, 5, R

Examples of Job Titles

- construction millwright
- industrial mechanic
- industrial mechanic apprentice
- maintenance millwright
- millwright
- millwright apprentice
- plant equipment mechanic
- treatment plant maintenance mechanic

Descriptor Profile

Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning and numerical ability** to install, align, dismantle and move stationary industrial machinery and mechanical equipment such as pumps, fans, tanks, conveyors, furnaces and generators according to layout plans using hand and power tools
- **Spatial perception** to read blueprints, diagrams and schematic drawings to determine work procedures
- **Form perception** to operate machine tools, such as lathes and grinders, to fabricate parts required during overhaul, maintenance and set-up of machinery
- **Motor co-ordination and finger and manual dexterity** to operate hoisting and lifting devices, such as cranes, jacks and tractors, to position machinery and parts during the installation, set-up and repair of machinery; and to construct foundations
- **Objective interest in setting up** and assembling machinery and equipment before installation using hand and power tools and welding equipment
- **Innovative interest in analyzing** information to inspect and examine machinery and equipment to detect and investigate irregularities and malfunctions, to adjust machinery and to repair and replace defective parts; and in installing, troubleshooting and maintaining power transmission, vacuum, hydraulic and pneumatic systems, and programmable logic controls
- **Methodical interest in speaking** with other workers to direct them in constructing foundations for machinery; and in cleaning, lubricating and performing other routine maintenance work on machinery



## Physical Activities

### Vision

- 3 Near and far vision

### Colour Discrimination

- 0 Not relevant

### Hearing

- 1 Limited

### Body Position

- 4 Other body positions

### Limb Co-ordination

- 1 Upper limb co-ordination

### Strength

- 4 Heavy

## Environmental Conditions

### Location

- L1 Regulated inside climate  
L2 Unregulated inside climate

### Hazards

- H3 Equipment, machinery, tools  
H6 Flying particles, falling objects

### Discomforts

- D1 Noise  
D4\* Non-toxic dusts

## Employment Requirements

### Education/Training

4+, 5, R

- Completion of secondary school is usually required.
- Completion of a three- to four-year apprenticeship program *or* a combination of over five years of work experience in the trade and some high school, college or industry courses in industrial machinery repair or millwrighting is usually required to be eligible for trade certification.
- Industrial mechanic trade certification is compulsory in Quebec and available, but voluntary, in all other provinces and territories.
- Construction millwright trade certification is available, but voluntary, in Ontario.
- Interprovincial trade certification (Red Seal) is also available to qualified industrial mechanics or millwrights.

## Workplaces/Employers

Industrial establishments

Manufacturing plants

Millwrighting contractors

Utilities

## Occupational Options

Progression to supervisory positions is possible with experience.

Industrial mechanics and millwrights may be cross-trained in a second trade such as pipefitting, welding, machining or electrical maintenance.

Red Seal trade certification allows for interprovincial mobility.

## Similar Occupations Classified Elsewhere

*Heavy-Duty Equipment Mechanics (7312)*

*Industrial Instrument Technicians and Mechanics (2243)*

Supervisors of industrial mechanics and millwrights (in 7216 *Contractors and Supervisors, Mechanic Trades*)

*Textile Machinery Mechanics and Repairers (7317)*

## Remarks

Construction millwrights are mostly engaged in the initial installation of industrial plant machinery and equipment; industrial mechanics are more concerned with the post-installation maintenance and repair of machinery and equipment.

\*Environmental Conditions

- For some occupations in this group, Discomforts D4 (Non-toxic dusts) may also apply.

# 7312 Heavy-Duty Equipment Mechanics

Heavy-duty equipment mechanics repair, troubleshoot, adjust, overhaul and maintain mobile heavy-duty equipment used in construction, transportation, forestry, mining, oil and gas, material handling, landscaping, land clearing, farming and similar activities.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	4	3	3	2	4	3	3	3

### INTERESTS

OMI

### DATA PEOPLE THINGS (DPT)

281

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	0	3	4	1	4

### ENVIRONMENTAL CONDITIONS (EC)

L1, L3, H3, D1

### EDUCATION/TRAINING

4+, 5, R

## Examples of Job Titles

- construction equipment mechanic
- diesel mechanic – heavy equipment
- farm equipment mechanic
- heavy equipment mechanic
- heavy mobile logging equipment mechanic
- heavy mobile mining equipment mechanic
- heavy-duty equipment mechanic apprentice
- heavy-duty equipment technician
- locomotive mechanic
- tractor mechanic

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to check bulldozers, cranes, graders and other heavy construction, agricultural, logging and mining equipment for proper performance
- **Form perception** to inspect equipment to detect faults and malfunctions
- **Motor co-ordination** to perform repair work on heavy trucks as required, and to replace equipment parts
- **Finger and manual dexterity** to test repaired equipment for proper performance and to ensure that work meets manufacturers' specifications; may attach components and adjust new farm equipment
- **Objective interest in precision working** with hand and power tools to adjust equipment and repair and replace defective parts, components and systems
- **Methodical interest** in cleaning, lubricating and performing other routine maintenance work, and in servicing attachments and working tools such as harvesting and tillage equipment, blades, ploughs, winches and side booms
- **Innovative interest in analyzing** to diagnose faults and malfunctions, using computerized and other testing equipment, to determine extent of repair required

## Physical Activities

### Vision

- 2 Near vision

### Colour Discrimination

- 0 Not relevant

### Hearing

- 3 Other sound discrimination

### Body Position

- 4 Other body positions

### Limb Co-ordination

- 1 Upper limb co-ordination

### Strength

- 4 Heavy

## Environmental Conditions

### Location

- L1 Regulated inside climate  
L3 Outside

### Hazards

- H3 Equipment, machinery, tools

### Discomforts

- D1 Noise

## Employment Requirements

### Education/Training

4+, 5, R

- Completion of secondary school is usually required.
- Completion of a three- to five-year apprenticeship program  
or  
a combination of over four years of work experience in the trade and some high school, college or industry courses in heavy equipment repair is usually required to be eligible for trade certification.
- Heavy-duty equipment mechanic trade certification is compulsory in Quebec and Alberta and available, but voluntary, in all other provinces and territories.
- Farm equipment mechanic trade certification is available, but voluntary, in Newfoundland and Labrador, Prince Edward Island, Nova Scotia, New Brunswick, Ontario, Manitoba, Saskatchewan, Alberta and British Columbia.
- Interprovincial trade certification (Red Seal) is also available to qualified heavy-duty equipment technicians and farm equipment mechanics.

## Workplaces/Employers

Companies that own and operate heavy equipment

Heavy equipment dealers

Heavy equipment rental and service establishments

Railway transport companies

Urban transit systems

## Occupational Options

Progression to supervisory positions is possible with experience.

Red Seal trade certification allows for interprovincial mobility.

## Similar Occupations Classified Elsewhere

*Construction Millwrights and Industrial Mechanics (Except Textile) (7311)*

Motor vehicle diesel engine mechanics (in 7321 *Automotive Service Technicians, Truck Mechanics and Mechanical Repairers*)

Supervisors of heavy equipment mechanics (in 7216 *Contractors and Supervisors, Mechanic Trades*)

## Remarks

Heavy-duty and farm equipment mechanics may specialize in specific types of machinery such as combines or tracked vehicles, or in engine overhaul, power shift transmissions, fuel injection, hydraulics or electronics.

# 7313 Refrigeration and Air Conditioning Mechanics

Refrigeration and air conditioning mechanics install, maintain, repair and overhaul residential central air conditioning systems, commercial and industrial refrigeration and air conditioning systems and combined heating, ventilation and cooling systems.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	3	3	3	3	4	3	3	3

### INTERESTS

OMI

### DATA PEOPLE THINGS (DPT)

281

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	1	1	4	2	4

### ENVIRONMENTAL CONDITIONS (EC)

L1, L2, H1, H3, H4, H7, H8\*

### EDUCATION/TRAINING

4+, 5, R

## Examples of Job Titles

central air conditioning mechanic  
commercial air conditioning mechanic  
heating and cooling mechanic  
heating, ventilation and air conditioning (HVAC) mechanic  
refrigeration and air conditioning mechanic  
apprentice  
refrigeration mechanic  
transport refrigeration mechanic

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to assemble and install refrigeration and air conditioning components such as motors, controls, gauges, valves, circulating pumps, condensers, humidifiers, evaporators and compressors using hand and power tools; may prepare work estimates for clients
- **Spatial perception** to read and interpret blueprints, drawings and other specifications
- **Motor co-ordination** to install and maintain combined heating and cooling units and to start up systems and test for leaks using testing devices; may install, maintain and repair equipment in refrigerated trucks used to transport food and medical supplies
- **Finger and manual dexterity** to connect piping using welding and brazing equipment
- **Objective interest in precision working** to measure and cut piping and to measure and lay out reference points for installation
- **Methodical interest** in recharging systems with refrigerant, checking and testing regulators and calibrating systems; and in performing routine maintenance and servicing
- **Innovative interest in analyzing** information to repair and replace parts and components for entire refrigeration, air conditioning, ventilation and heat-pump systems; and in installing, troubleshooting and overhauling entire heating, ventilation, air handling, refrigeration and air conditioning systems

## Physical Activities

### Vision

- 2 Near vision

### Colour Discrimination

- 1 Relevant

### Hearing

- 1 Limited

### Body Position

- 4 Other body positions

### Limb Co-ordination

- 2 Multiple limb co-ordination

### Strength

- 4 Heavy

## Environmental Conditions

### Location

- L1 Regulated inside climate  
L2 Unregulated inside climate

### Hazards

- H1 Dangerous chemical substances  
H3 Equipment, machinery, tools  
H4 Electricity  
H7 Fire, steam, hot surfaces  
H8\* Dangerous locations

## Employment Requirements

### Education/Training

4+, 5, R

- Completion of secondary school is usually required.
- Completion of a three- to five-year apprenticeship program  
or  
a combination of over five years of work experience in the trade and some high school, college or industry courses in refrigeration and air conditioning repair is usually required to be eligible for trade certification.
- Trade certification for refrigeration and air conditioning mechanics is compulsory in Nova Scotia, New Brunswick, Quebec, Ontario, Manitoba, Saskatchewan, Alberta and British Columbia and available, but voluntary, in all other provinces and territories.
- Trade certification for transport refrigeration mechanics is available, but voluntary in New Brunswick, Alberta and British Columbia.
- Interprovincial trade certification (Red Seal) is also available to qualified refrigeration and air conditioning mechanics.

## Workplaces/Employers

Engineering firms

Food wholesalers

Industrial establishments

Refrigeration and air conditioning installation contractors

Refrigeration and air conditioning retail and servicing establishments

## Occupational Options

Progression to supervisory positions is possible with experience.

Red Seal trade certification allows for interprovincial mobility.

## Similar Occupations Classified Elsewhere

Domestic refrigerator or window air conditioner servicers and repairers (in 7332 *Electric Appliance Servicers and Repairers*)

Supervisors of refrigeration and air conditioning mechanics (in 7216 *Contractors and Supervisors, Mechanic Trades*)

## Remarks

\*Environmental Conditions

- For some occupations in this group, Hazards H8 (Dangerous locations) may also apply.



# 7314    Railway Carmen/women

Railway carmen/women inspect, troubleshoot, maintain and repair structural and mechanical components of railway freight, passenger and urban transit rail cars.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	4	4	3	3	4	3	3	3

### INTERESTS

OMI

### DATA PEOPLE THINGS (DPT)

381

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
3	1	1	4	1	3

### ENVIRONMENTAL CONDITIONS (EC)

L1, L2, L3, H3, H4, H7\*

### EDUCATION/TRAINING

4+, 5, R

## Examples of Job Titles

- rail vehicle mechanic
- railway car inspector
- railway carman/woman
- railway carman/woman apprentice
- streetcar and subway car mechanic

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to understand the construction and function of railway rolling stock and related equipment and to apply the appropriate techniques to repair, rebuild and adjust equipment and components
- **Spatial perception** to visualize the sequence of actions necessary to repair and replace mechanical and structural components
- **Form perception** to inspect the interior and exterior components of freight, passenger and urban transit rail cars to determine defects and extent of wear and damage
- **Motor co-ordination** and **finger and manual dexterity** to use hand and power tools when repairing metal, wood and mechanical components
- **Objective interest** in **precision working** to test and adjust parts using test gauges and other test equipment
- **Methodical interest** in replacing damaged windows, repairing upholstery and repainting wood fixtures, and in performing and documenting routine maintenance
- **Innovative interest** in **compiling** information to repair defective and damaged metal and wood components, to repair and install railway car parts such as compressors, air valves, bearings, couplings, air cylinders and piping, and to repair and maintain electrical and electronic controls for propulsion and braking systems

---

**Physical Activities**


---

**Vision**  
3 Near and far vision

**Colour Discrimination**  
1 Relevant

**Hearing**  
1 Limited

**Body Position**  
4 Other body positions

**Limb Co-ordination**  
1 Upper limb co-ordination

**Strength**  
3 Medium

---

**Environmental Conditions**


---

**Location**  
L1 Regulated inside climate  
L2 Unregulated inside climate  
L3 Outside

**Hazards**  
H3 Equipment, machinery, tools  
H4 Electricity  
H7\* Fire, steam, hot surfaces

---

**Employment Requirements**


---

**Education/Training**  
4+, 5, R

- Completion of secondary school is usually required.
- Completion of an internal company apprenticeship program or three to four years of on-the-job training is usually required.
- Trade certification for railway mechanics is available in British Columbia.

---

**Workplaces/Employers**


---

Railway transport companies  
Urban transit systems

---

**Occupational Options**


---

Progression to supervisory positions is possible with experience.

---

**Similar Occupations Classified Elsewhere**


---

Locomotive mechanics (in 7312 *Heavy-Duty Equipment Mechanics*)

Railway car repairer foremen/women (in 7216 *Contractors and Supervisors, Mechanic Trades*)

---

**Remarks**


---

\*Environmental Conditions

- For some occupations in this group, **Hazards H7** (Fire, steam, hot surfaces) may also apply.



# 7315.1 Aircraft Mechanics

Aircraft mechanics maintain, repair, overhaul, modify and test aircraft structures and mechanical and hydraulic systems.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	4	3	2	2	4	3	3	2

### INTERESTS

OIM

### DATA PEOPLE THINGS (DPT)

281

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
3	0	3	4	1	3

### ENVIRONMENTAL CONDITIONS (EC)

L1, H3, D1

### EDUCATION/TRAINING

5+, 6+, R

## Examples of Job Titles

- aircraft gas turbine engine technician
- aircraft maintenance engineer (AME) (except avionics)
- aircraft mechanic
- aircraft structural repair technician
- aviation mechanical component shop technician
- certified aircraft technician
- hydraulic mechanic, aircraft

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to understand the principles of aircraft construction and operation, and to apply the appropriate techniques for servicing, repairing and overhauling engines and accessories
- **Spatial perception** to visualize the arrangement and relationship of parts and assemblies when repairing and overhauling aircraft structural, mechanical and hydraulic systems
- **Form perception** to disassemble and inspect parts for wear, warping and other defects
- **Manual dexterity** to use hand and power tools to repair, replace and assemble parts, and to dismantle airframes, aircraft engines and other aircraft systems in order to repair, overhaul, clean and then reassemble them
- **Objective interest in precision working** to reassemble, adjust and test engine operations to conform with specifications
- **Innovative interest in analyzing** information to troubleshoot aircraft structural, mechanical and hydraulic systems to identify problems, and to adjust and repair systems according to specifications, technical drawings, manuals and established procedures
- **Methodical interest** in installing and modifying aircraft engines, mechanical, hydraulic, flight control, fuel and pneumatic systems; in performing and documenting routine maintenance; and in ordering and maintaining inventory of parts and supplies

---

**Physical Activities**

---

**Vision**

- 3 Near and far vision

**Colour Discrimination**

- 0 Not relevant

**Hearing**

- 3 Other sound discrimination

**Body Position**

- 4 Other body positions

**Limb Co-ordination**

- 1 Upper limb co-ordination

**Strength**

- 3 Medium

---

**Environmental Conditions**

---

**Location**

- L1 Regulated inside climate

**Hazards**

- H3 Equipment, machinery, tools

**Discomforts**

- D1 Noise

---

**Employment Requirements**

---

**Education/Training**

5+, 6+, R

- Completion of secondary school is required.
- A college diploma in aircraft maintenance *or* completion of a four-year apprenticeship program is usually required.
- Several years of on-the-job training are required for aircraft mechanics.

- Aircraft mechanics who sign maintenance releases and certify airworthiness require an Aircraft Maintenance Engineer's (AME) licence issued by Transport Canada.
- Trade certification for aircraft maintenance engineers is available, but voluntary, in Nunavut and the Northwest Territories.
- Trade certification for aircraft structural technicians is available, but voluntary, in British Columbia.
- Industry certification from the Canadian Aviation Maintenance Council for some occupations in this group is available, but voluntary.

---

**Workplaces/Employers**

---

Aircraft manufacturing, maintenance, repair and overhaul establishments

Aircraft operators

Airlines

Armed forces

---

**Occupational Options**

---

Aircraft mechanics may progress to foreman/woman, shop supervisor or aircraft inspector.

Aircraft mechanics may acquire further endorsements to their AME licence allowing them to inspect and certify a broader range of aircraft and aircraft systems.

---

**Similar Occupations Classified Elsewhere**

---

*Aircraft Assemblers and Aircraft Assembly Inspectors (9481)*Aircraft engine fitters and assemblers (in 7316 *Machine Fitters*)*Aircraft Instrument, Electrical and Avionics Mechanics, Technicians and Inspectors (2244)*Aircraft nondestructive inspection technicians (in 2261 *Nondestructive Testers and Inspectors*)Government airworthiness inspectors (in 2262 *Engineering Inspectors and Regulatory Officers*)Supervisors of aircraft mechanics and aircraft inspectors (in 7216 *Contractors and Supervisors, Mechanic Trades*)

---

**Remarks**

---

Aircraft mechanics usually specialize in working on specific aircraft systems such as engines, engine accessories, airframes, propellers, mechanical components or hydraulic systems and specific kinds of aircraft, such as light aircraft, jet transports and helicopters.

AME licences are issued in the following categories:

- M** – Small and Large Aircraft  
**E** – Electronic Systems  
**S** – Aircraft Structures

# 7315.2 Aircraft Inspectors

Aircraft inspectors inspect aircraft and aircraft systems and components throughout manufacture, modification, maintenance, repair and overhaul.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	3	3	2	2	4	3	3	3

### INTERESTS

OMD

### DATA PEOPLE THINGS (DPT)

281

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
3	0	3	3	1	1

### ENVIRONMENTAL CONDITIONS (EC)

L1

### EDUCATION/TRAINING

5+, 6+, R

## Examples of Job Titles

aircraft inspector  
aircraft systems inspector  
aviation maintenance inspector  
inspector, flight test  
inspector, repair and overhaul  
shop inspector, aircraft repair

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to understand the function and use of mechanical equipment; precision measuring tools and related test equipment to determine operating conditions and necessary repairs
- **Spatial perception** to visualize the arrangement and relationship of parts and assemblies when inspecting aircraft and aircraft systems
- **Form perception** to inspect, examine and test mechanical equipment and to check disassembled units for wear, cracks, splits and other damage
- **Objective interest in precision working** to inspect structural and mechanical systems and components and ensure that they meet original equipment manufacturers' and company standards of performance and safety
- **Methodical interest** in maintaining detailed repair, inspection and certification records and technical reports; and in comparing condition of aeronautical products to documentation
- **Directive interest in analyzing** information to develop and modify inspection procedures, to request and verify completion of rework and repair orders, and to inspect work of aircraft mechanics performing maintenance, repairs, overhauls and modifications of aircraft to ensure that aeronautical products are safe and conform to specifications

## Physical Activities

Vision	
3	Near and far vision
Colour Discrimination	
0	Not relevant
Hearing	
3	Other sound discrimination
Body Position	
3	Sitting, standing, walking
Limb Co-ordination	
1	Upper limb co-ordination
Strength	
1	Limited

## Environmental Conditions

Location	
L1	Regulated inside climate

## Employment Requirements

Education/Training  
5+, 6+, R

- Aircraft inspectors require several years of experience as an aircraft mechanic.
- Aircraft inspectors who sign maintenance releases and certify airworthiness require an Aircraft Maintenance Engineer's (AME) licence issued by Transport Canada.
- Industry certification from the Canadian Aviation Maintenance Council for some occupations in this group is available, but voluntary.

## Workplaces/Employers

Aircraft manufacturing, maintenance, repair and overhaul establishments

Aircraft operators

Airlines

Armed forces

## Occupational Options

With experience, aircraft inspectors may progress to shop inspector or supervisor.

Aircraft inspectors may acquire further endorsements to their AME licence allowing them to inspect and certify a broader range of aircraft and aircraft systems.

## Similar Occupations Classified Elsewhere

*Aircraft Assemblers and Aircraft Assembly Inspectors (9481)*

Aircraft engine fitters and assemblers (in 7316 *Machine Fitters*)

*Aircraft Instrument, Electrical and Avionics Mechanics, Technicians and Inspectors (2244)*

Aircraft nondestructive inspection technicians (in 2261 *Nondestructive Testers and Inspectors*)

Government airworthiness inspectors (in 2262 *Engineering Inspectors and Regulatory Officers*)

Supervisors of aircraft mechanics and aircraft inspectors (in 7216 *Contractors and Supervisors, Mechanic Trades*)

## Remarks

AME licences are issued in the following categories:

- M** – Small and Large Aircraft
- E** – Electronic Systems
- S** – Aircraft Structures

# 7316 Machine Fitters

Machine fitters fit, assemble and otherwise build heavy industrial machinery and transportation equipment including aircraft engines.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	3	3	3	3	4	3	3	3

### INTERESTS

OMI

### DATA PEOPLE THINGS (DPT)

381

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
3	0	1	4	1	4

### ENVIRONMENTAL CONDITIONS (EC)

L1, H3, D1

### EDUCATION/TRAINING

4+, 5, 6, R

## Examples of Job Titles

aircraft engine fitter  
assembly fitter  
heavy equipment fitter  
machine builder  
machine fitter  
machine tool builder  
mechanical fitter

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to fit and assemble prefabricated metal parts to build heavy industrial machinery and equipment such as construction, farming and processing machinery, and railway vehicles and aircraft engines
- **Spatial and form perception** to read and interpret blueprints, sketches and diagrams to determine assembly operations
- **Objective interest in precision working** to move and align subassemblies and components using lifting and transporting devices such as overhead cranes
- **Methodical interest** in inspecting parts, subassemblies and finished products to ensure quality
- **Innovative interest in compiling** information to install major components such as gears, pumps, motors and hydraulic assemblies

## Physical Activities

**Vision**  
3 Near and far vision

**Colour Discrimination**  
0 Not relevant

**Hearing**  
1 Limited

**Body Position**  
4 Other body positions

**Limb Co-ordination**  
1 Upper limb co-ordination

**Strength**  
4 Heavy

## Environmental Conditions

**Location**  
L1 Regulated inside climate

**Hazards**  
H3 Equipment, machinery, tools

**Discomforts**  
D1 Noise

## Employment Requirements

Education/Training  
4+, 5, 6, R

- Completion of secondary school is usually required.
- Completion of a mechanical apprenticeship program, such as millwrighting, machining, pipefitting, automotive service or heavy equipment repair  
or  
completion of a four-year machine fitter apprenticeship program  
or  
completion of five years of on-the-job training is usually required.
- Completion of a two- to three-year college program in aircraft manufacturing or general fabrication is required for aircraft engine fitters.
- Certification in a related trade may be required.

## Workplaces/Employers

Industrial machinery manufacturing companies

Transportation equipment manufacturing companies

## Occupational Options

Progression to supervisory positions is possible with experience.

## Similar Occupations Classified Elsewhere

Aircraft assemblers (in 9481 *Aircraft Assemblers and Aircraft Assembly Inspectors*)

Assemblers of electrical industrial equipment (in 9485 *Assemblers, Fabricators and Inspectors, Industrial Electrical Motors and Transformers*)

*Mechanical Assemblers and Inspectors* (9486)

Millwrights (in 7311 *Construction Millwrights and Industrial Mechanics (Except Textile)*)

Supervisors of machine fitters (in 7216 *Contractors and Supervisors, Mechanic Trades*)

*Welders and Related Machine Operators* (7265)



# 7317 Textile Machinery Mechanics and Repairers

Textile machinery mechanics and repairers install, maintain, repair, overhaul and set up textile machinery such as looms, knitting machines, spinning frames and carding machines.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	4	3	3	2	4	3	3	3

### INTERESTS

OMI

### DATA PEOPLE THINGS (DPT)

260

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	0	1	4	1	3

### ENVIRONMENTAL CONDITIONS (EC)

L1, H3, D1, D4\*

### EDUCATION/TRAINING

4+, 5

## Examples of Job Titles

- card fixer
- card grinder
- fixer, textile machinery
- knitting machine mechanic
- loom fixer
- loom technician
- mechanic, textile machines
- open-end technician
- spinning fixer
- textile fixer

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to understand and apply mechanical repair principles and procedures to make sure that machinery runs properly
- **Form perception** to detect defects and excessive wear in machinery and to see slight differences in dimensions and shapes of component parts
- **Manual dexterity** to repair and overhaul electrical and mechanical systems on textile machinery, and to replace and align moving parts as required
- **Objective interest** in **setting up** and adjusting complex machinery for new patterns and products
- **Methodical interest** in **analyzing** information to perform maintenance such as cleaning and lubrication of textile machinery, and in troubleshooting, test running and verifying machines for proper operation
- **Innovative interest** in **speaking** with management to recommend equipment changes and modifications; and in evaluating new equipment



### Physical Activities

Vision  
2 Near vision

Colour Discrimination  
0 Not relevant

Hearing  
1 Limited

Body Position  
4 Other body positions

Limb Co-ordination  
1 Upper limb co-ordination

Strength  
3 Medium

### Environmental Conditions

Location  
L1 Regulated inside climate

Hazards  
H3 Equipment, machinery, tools

Discomforts  
D1 Noise  
D4\* Non-toxic dusts

### Employment Requirements

Education/Training  
4+, 5

- Completion of secondary school is usually required.
- Up to three years of on-the-job training *or* several years of experience as a mechanic in other industries are usually required.
- Mechanics hired from other industries may require additional training in textile processes.
- Experience as a textile operator, such as weaver or tufting operator, may be required.

### Workplaces/Employers

Textile manufacturing companies

### Occupational Options

Progression to supervisory positions is possible with experience.

### Similar Occupations Classified Elsewhere

Industrial mechanics or millwrights (in 7311 *Construction Millwrights and Industrial Mechanics (Except Textile)*)

Supervisors of textile machinery mechanics and repairers (in 7216 *Contractors and Supervisors, Mechanic Trades*)

### Remarks

\*Environmental Conditions

- For some occupations in this group, Discomforts D4 (Non-toxic dusts) may also apply.

# 7318 Elevator Constructors and Mechanics

Elevator constructors and mechanics assemble, install, maintain and repair freight and passenger elevators, escalators, moving walkways and other related equipment.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	4	3	3	3	4	3	3	3

### INTERESTS

OMI

### DATA PEOPLE THINGS (DPT)

281

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
3	1	1	4	1	3

### ENVIRONMENTAL CONDITIONS (EC)

L1, H3, H8

### EDUCATION/TRAINING

4+, 5, R

## Examples of Job Titles

- elevator constructor
- elevator mechanic
- elevator mechanic apprentice
- escalator repairer

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to install elevators, escalators, moving walkways, dumbwaiters and related equipment according to specifications
- **Spatial perception** to read and interpret blueprints to determine layout of system components
- **Motor co-ordination** to install, test and adjust safety control devices
- **Finger dexterity** to install and wire electrical and electronic control system devices
- **Manual dexterity** to disassemble defective units and to repair and replace worn and suspect parts, and to connect car frames to counterweights with cables and assemble elevator cars
- **Objective interest in precision working** to adjust valves, ratchets, seals, brake linings and other components; and in performing preparatory construction work including steelwork, wiring and piping
- **Methodical interest** in carrying out preventive maintenance to ensure public safety
- **Innovative interest in analyzing** information to troubleshoot electrical and mechanical system failures and test the operation of newly installed equipment

---

## Physical Activities

**Vision**  
3 Near and far vision

**Colour Discrimination**  
1 Relevant

**Hearing**  
1 Limited

**Body Position**  
4 Other body positions

**Limb Co-ordination**  
1 Upper limb co-ordination

**Strength**  
3 Medium

---

## Environmental Conditions

**Location**  
L1 Regulated inside climate

**Hazards**  
H3 Equipment, machinery, tools  
H8 Dangerous locations

---

## Employment Requirements

**Education/Training**  
4+, 5, R

- Completion of secondary school is usually required.
- Completion of a four- to five-year apprenticeship program *or* a combination of over four years of work experience in the trade and some high school, college or industry courses in elevator construction or repair is usually required to be eligible for trade certification.
- Elevator constructor and mechanic trade certification is compulsory in Quebec and Alberta and available, but voluntary, in British Columbia, Nunavut and the Northwest Territories.

---

## Workplaces/Employers

Elevator construction and maintenance companies

---

## Occupational Options

Progression to supervisory positions is possible with experience.

---

## Similar Occupations Classified Elsewhere

Elevator inspectors (in 2262 *Engineering Inspectors and Regulatory Officers*)

Supervisors of elevator constructors and mechanics (in 7216 *Contractors and Supervisors, Mechanic Trades*)

---

## Remarks

Elevator constructors and mechanics may specialize in construction, maintenance or repair.

# 7321.1 Automotive Service Technicians

Automotive service technicians inspect, diagnose, repair and service mechanical, electrical and electronic systems and components of cars and light trucks.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	3	4	3	3	4	3	3	3

### INTERESTS

OIM

### DATA PEOPLE THINGS (DPT)

261

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	1	3	4	1	3

### ENVIRONMENTAL CONDITIONS (EC)

L1, H3, D1, D3

### EDUCATION/TRAINING

4+, 5, R

## Examples of Job Titles

- automobile mechanic
- automotive service technician
- automotive service technician apprentice
- car mechanic
- motor vehicle mechanic
- transmission mechanic
- tune-up specialist, motor vehicle

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to understand and apply mechanical repair principles and procedures to ensure that motor vehicles run properly
- **Verbal ability** to advise customers on work done, general vehicle conditions and future repair requirements
- **Spatial perception** to visualize the sequence of parts assembly and relative positions of machinery components
- **Form perception** to inspect motors in operation and to test automotive systems and components using computerized diagnostic and testing devices to diagnose and isolate faults
- **Motor co-ordination and finger and manual dexterity** to road test motor vehicles, and to use hand tools and specialized automotive repair equipment when adjusting parts and components of automotive systems including fuel, brake, steering and suspension, engine and drive train, emission control and exhaust, cooling and climate control and electrical and electronic systems
- **Objective interest in precision working** to test and adjust repaired systems to manufacturers' performance specifications
- **Innovative interest in speaking** with supervisors to discuss work and review work orders; and in repairing and replacing parts and components of automotive systems
- **Methodical interest in analyzing** information to perform scheduled maintenance services such as oil changes, lubrication and tune-ups

---

**Physical Activities**

---

**Vision**

- 2 Near vision

**Colour Discrimination**

- 1 Relevant

**Hearing**

- 3 Other sound discrimination

**Body Position**

- 4 Other body positions

**Limb Co-ordination**

- 1 Upper limb co-ordination

**Strength**

- 3 Medium

---

**Environmental Conditions**

---

**Location**

- L1 Regulated inside climate

**Hazards**

- H3 Equipment, machinery, tools

**Discomforts**

- D1 Noise
- D3 Odours

---

**Employment Requirements**

---

**Education/Training**

4+, 5, R

- Completion of secondary school is usually required.
- Completion of a four-year automotive service technician apprenticeship program  
or  
a combination of over four years of work experience in the trade and high school, college or industry courses in automotive technology is required to be eligible for trade certification.

- Automotive service technician trade certification is compulsory in Nova Scotia, Prince Edward Island, New Brunswick, Quebec, Ontario, Alberta and British Columbia and available, but voluntary, in all other provinces and territories.
- Automotive service technician (fuel and electronic systems) and automotive service technician (transmission) trade certification is compulsory in New Brunswick and Ontario and available, but voluntary, in Prince Edward Island.
- Automotive service technician (steering, suspension and brakes) trade certification is compulsory in New Brunswick and Ontario.
- Motor vehicle repair (service station mechanic) trade certification is compulsory in Nova Scotia and available, but voluntary, in Prince Edward Island.
- Interprovincial trade certification (Red Seal) is also available to qualified automotive service technicians.

---

**Workplaces/Employers**

---

Automotive service shops of retail establishments

Automotive specialty shops

Garages

Motor vehicle dealers

Service stations

Transportation companies

---

**Occupational Options**

---

With additional training, mobility is possible between automobile, truck and transport truck mechanics.

With experience, mechanics and technicians in this group may progress to supervisory positions.

Red Seal trade certification allows for interprovincial mobility.

---

**Similar Occupations Classified Elsewhere**

---

*Heavy-Duty Equipment Mechanics* (7312)

*Motor Vehicle Assemblers, Inspectors and Testers* (9482)

*Motor Vehicle Body Repairers* (7322)

Recreation vehicle service technicians (in 7383 *Other Trades and Related Occupations*)

Supervisors of motor vehicle mechanics (in 7216 *Contractors and Supervisors, Mechanic Trades*)

---

**Remarks**

---

Automotive service technicians may specialize in the following areas: engine and fuel systems, transmission systems, air conditioning, cooling and heating systems, steering, alignment, brakes, drive lines, suspension, electrical and electronic systems, or diagnostic services.

# 7321.2 Mechanical Repairers, Motor Vehicle Manufacturing

Mechanical repairers perform major repairs and replacement of mechanical units on newly assembled motor vehicles.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	3	4	3	3	4	3	3	3

### INTERESTS

OMi

### DATA PEOPLE THINGS (DPT)

361

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	1	3	4	1	3

### ENVIRONMENTAL CONDITIONS (EC)

L1, H3, D1

### EDUCATION/TRAINING

4

## Examples of Job Titles

mechanical upgrader – motor vehicle manufacturing

motor repairer – motor vehicle manufacturing

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to understand and apply mechanical repair principles and procedures to ensure that motor vehicles run properly
- **Verbal ability** to complete reports to record problems and work performed
- **Spatial perception** to visualize the sequence of parts assembly and relative positions of machinery components
- **Form perception** to inspect motors in operation, and to test systems and components using testing devices to diagnose and isolate faults
- **Motor co-ordination and finger and manual dexterity** to repair and replace mechanical units and components using hand and power tools
- **Objective interest in precision working** to test and adjust units to specifications for proper performance, and to inspect and test mechanical units such as engines, transmissions, axles and brake systems to locate faults and malfunctions
- **Methodical interest in speaking** with supervisors to confirm findings on faults and malfunctions; and in determining whether to repair or replace units
- **Innovative interest in compiling** information to diagnose faults and malfunctions and to inspect and test mechanical units



## Physical Activities

### Vision

- 2 Near vision

### Colour Discrimination

- 1 Relevant

### Hearing

- 3 Other sound discrimination

### Body Position

- 4 Other body positions

### Limb Co-ordination

- 1 Upper limb co-ordination

### Strength

- 3 Medium

## Environmental Conditions

### Location

- L1 Regulated inside climate

### Hazards

- H3 Equipment, machinery, tools

### Discomforts

- D1 Noise

## Employment Requirements

### Education/Training

4

- Completion of secondary school is usually required.
- On-the-job training of two to three years is provided by employers.

## Workplaces/Employers

Motor vehicle manufacturing companies

## Occupational Options

Mechanical repairers employed in motor vehicle manufacturing may progress to motor vehicle mechanic positions through an apprenticeship program, or with experience, they may progress to supervisory positions in motor vehicle manufacturing.

## Similar Occupations Classified Elsewhere

*Heavy-Duty Equipment Mechanics* (7312)

*Motor Vehicle Assemblers, Inspectors and Testers* (9482)

*Motor Vehicle Body Repairers* (7322)

Recreation vehicle service technicians (in 7383 *Other Trades and Related Occupations*)

*Supervisors, Motor Vehicle Assembling* (9221)

Supervisors of motor vehicle mechanics (in 7216 *Contractors and Supervisors, Mechanic Trades*)

## Remarks

Mechanical repairers may specialize in the following areas: engine and fuel systems, transmission systems, air conditioning, cooling and heating systems, steering, alignment, brakes, drive lines, suspension, electrical and electronic systems, or diagnostic services.



# 7321.3 Transport Truck and Trailer Mechanics

Truck mechanics inspect, diagnose, repair and service mechanical, electrical and electronic systems and components of commercial transport trucks, trailers and buses.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	3	4	3	3	4	3	3	3

### INTERESTS

OIM

### DATA PEOPLE THINGS (DPT)

261

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	1	3	4	1	4

### ENVIRONMENTAL CONDITIONS (EC)

L1, L2, H3, D1, D2, D3

### EDUCATION/TRAINING

4+, 5, R

## Examples of Job Titles

- bus mechanic
- commercial trailer mechanic
- commercial transport vehicle mechanic
- transport truck mechanic
- truck and coach technician
- truck and transport mechanic
- truck and transport service technician
- truck-trailer repairer

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to understand and apply mechanical repair principles and procedures to ensure that motor vehicles run properly
- **Verbal ability** to advise customers on work performed, general vehicle conditions and future repair requirements
- **Spatial perception** to visualize the sequence of parts assembly and relative positions of machinery components
- **Form perception** to inspect motors in operation and to test automotive systems and components using computerized diagnostic and testing devices to diagnose and isolate faults
- **Motor co-ordination and finger and manual dexterity** to road test motor vehicles, to adjust, repair or replace parts and components of commercial transport truck systems including chassis, frame, cab, body, engine and drive train, fuel, air brakes, steering, and hydraulic, electrical and electronic, systems, and to adjust, repair and replace parts and components of truck trailer systems including structural, brakes and electrical systems
- **Objective interest in precision working** to test and adjust repaired systems to manufacturers' performance specifications
- **Innovative interest in analyzing** information to diagnose faults and malfunctions and to inspect and test mechanical units
- **Methodical interest in speaking** with supervisors to confirm findings on faults and malfunctions to determine whether to repair or replace units

---

**Physical Activities**

---

**Vision**

- 2 Near vision

**Colour Discrimination**

- 1 Relevant

**Hearing**

- 3 Other sound discrimination

**Body Position**

- 4 Other body positions

**Limb Co-ordination**

- 1 Upper limb co-ordination

**Strength**

- 4 Heavy

---

**Environmental Conditions**

---

**Location**

- L1 Regulated inside climate
- 
- L2 Unregulated inside climate

**Hazards**

- H3 Equipment, machinery, tools

**Discomforts**

- D1 Noise
- 
- D2 Vibration
- 
- D3 Odours

---

**Employment Requirements**

---

**Education/Training**

4+, 5, R

- Completion of secondary school is usually required.
- Completion of a four-year truck and transport mechanic or truck-trailer repair apprenticeship *or* a combination of over four years of work experience in the trade and high school, college or industry courses in truck or heavy-duty equipment mechanics is required to be eligible for trade certification.
- Truck and transport mechanic trade certification is compulsory in Nova Scotia and Ontario and available, but voluntary, in Newfoundland and Labrador, Prince Edward Island, New Brunswick, Quebec, Manitoba, Saskatchewan, British Columbia and the Yukon.
- Truck-trailer repair trade certification is compulsory in Ontario and available, but voluntary, in Newfoundland and Labrador, Nova Scotia, Prince Edward Island, New Brunswick, Manitoba, British Columbia and the Yukon.
- Interprovincial trade certification (Red Seal) is also available to qualified truck-trailer repairers and truck and transport mechanics.

---

**Workplaces/Employers**

---

Fleet maintenance companies  
Repair shops  
Transportation companies  
Truck and trailer dealerships

---

**Occupational Options**

---

With additional training, mobility is possible between automobile, truck and transport truck mechanics.

With experience, mechanics and technicians in this group may progress to supervisory positions.

Red Seal trade certification allows for interprovincial mobility.

---

**Similar Occupations Classified Elsewhere**

---

*Heavy-Duty Equipment Mechanics* (7312)

*Motor Vehicle Assemblers, Inspectors and Testers* (9482)

*Motor Vehicle Body Repairers* (7322)

Recreation vehicle service technicians (in 7383 *Other Trades and Related Occupations*)

Supervisors of motor vehicle mechanics (in 7216 *Contractors and Supervisors, Mechanic Trades*)

Transport truck and trailer assemblers and inspectors (in 9486 *Mechanical Assemblers and Inspectors*)

---

**Remarks**

---

Transport truck and trailer mechanics may specialize in the following areas: engine and fuel systems, transmission systems, air conditioning, cooling and heating systems, steering, alignment, brakes, drive lines, suspension, electrical and electronic systems, truck-trailer repair or diagnostic services.

# 7322 Motor Vehicle Body Repairers

Motor vehicle body repairers fix and restore damaged motor vehicle body parts and interior finishing. This group also includes metal repairers who repair defective automobile body parts and damage to the bodies of newly assembled cars.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	4	4	3	3	4	3	3	3

### INTERESTS

OMi

### DATA PEOPLE THINGS (DPT)

381

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	1	1	4	2	3

### ENVIRONMENTAL CONDITIONS (EC)

L1, H1, H3, H6, H7, D1, D3, D4

### EDUCATION/TRAINING

4, 5, 6, R

## Examples of Job Titles

- autobody repairer
- automotive body mechanic
- automotive glass technician
- automotive painter – motor vehicle repair
- automotive painter apprentice
- metal finisher – motor vehicle manufacturing
- metal repairer – motor vehicle manufacturing
- motor vehicle body repairer apprentice
- motor vehicle body technician
- painter – motor vehicle repair

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to review damage reports, and to repair and replace motor vehicle front-end components, body components, doors and frames, and underbody components, interior components such as seat-frame assemblies, carpets and floorboard insulation, and glass components such as windshields, windows and sunroofs
- **Spatial perception** to visualize removal and replacement of components, to inspect repaired vehicles and test-drive vehicles for proper handling
- **Form perception** to hammer out dents, buckles and other defects using blocks and hammers
- **Motor co-ordination and finger and manual dexterity** to file, grind and sand repaired body surfaces using hand and power tools, to remove damaged fenders, panels and grills using wrenches and cutting torches and to bolt and weld replacement parts into place
- **Objective interest in precision working** to fill holes, dents and seams using soldering equipment and plastic filler, and to apply primers and repaint surfaces using brushes and spray guns
- **Methodical interest in compiling** information from review of damage reports to determine estimates of repair costs; and in planning work to be performed
- **Innovative interest** in repairing damaged components and straightening bent frames using frame and underbody pulling and anchoring equipment

## Physical Activities

### Vision

- 2 Near vision

### Colour Discrimination

- 1 Relevant

### Hearing

- 1 Limited

### Body Position

- 4 Other body positions

### Limb Co-ordination

- 2 Multiple limb co-ordination

### Strength

- 3 Medium

## Environmental Conditions

### Location

- L1 Regulated inside climate

### Hazards

- H1 Dangerous chemical substances
- H3 Equipment, machinery, tools
- H6 Flying particles, falling objects
- H7 Fire, steam, hot surfaces

### Discomforts

- D1 Noise
- D3 Odours
- D4 Non-toxic dusts

## Employment Requirements

### Education/Training

4, 5, 6, R

### Motor vehicle body repairers:

- Completion of secondary school is usually required.
- Completion of a three- to four-year motor vehicle body repair apprenticeship program  
*or*  
a combination of over three years of work experience in the motor vehicle body repair trade and completion of a high school or college automotive body repair program is usually required to be eligible for trade certification.
- Trade certification for motor vehicle body repair (metal and paint) is compulsory in Quebec, Ontario, Alberta and British Columbia and available, but voluntary, in all other provinces and territories.
- Interprovincial trade certification (Red Seal) is available to qualified motor vehicle body repairers (metal and paint).

### Automotive painters:

- Completion of secondary school is usually required.
- Completion of a two- or three-year automotive painter apprenticeship program  
*or*  
a combination of one year of work experience in the automotive painter trade and completion of a high school or college automotive painting program is usually required for automotive painter trade certification.

- Trade certification is compulsory in Alberta and British Columbia and available, but voluntary, in Newfoundland and Labrador, Prince Edward Island, Nova Scotia, New Brunswick, Ontario, Manitoba, Saskatchewan, Nunavut and the Northwest Territories.

- Interprovincial trade certification (Red Seal) is also available to qualified automotive painters.

### Automotive glass installers and repairers:

- Completion of secondary school is usually required.
- Auto glass industry certification is usually required.
- Apprenticeship training for automotive glass technicians is available in British Columbia.

### Metal repairers, motor vehicle manufacturing:

- Completion of secondary school is usually required.
- One to two years of on-the-job training are provided.

## Workplaces/Employers

Automobile appraisal centres

Automobile body repair companies

Automobile dealers

Motor vehicle manufacturers

---

### Occupational Options

With experience, motor vehicle body repair and automotive painter tradespersons may progress to supervisory positions.

Metal repairers employed in motor vehicle manufacturing may progress to motor vehicle repairer positions through an apprenticeship program, or, with experience, they may progress to supervisory positions in motor vehicle manufacturing.

Red Seal trade certification allows for interprovincial mobility of motor vehicle body repair and automotive painter tradespersons.

---

### Similar Occupations Classified Elsewhere

*Automotive Service Technicians, Truck Mechanics and Mechanical Repairers*  
(7321)

Painters – motor vehicle manufacturing  
(in 9496 *Painters and Coaters – Industrial*)

*Supervisors, Motor Vehicle Assembling*  
(9221)

Supervisors of motor vehicle body repairers and automotive painters (in 7216 *Contractors and Supervisors, Mechanic Trades*)





# 7331 Oil and Solid Fuel Heating Mechanics

Oil and solid fuel heating mechanics install and maintain oil, coal and wood heating systems in residential and commercial buildings.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	4	4	3	3	4	3	3	3

### INTERESTS

OIM

### DATA PEOPLE THINGS (DPT)

261

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	1	1	4	1	4

### ENVIRONMENTAL CONDITIONS (EC)

L1, H3

### EDUCATION/TRAINING

4+, 5, R

## Examples of Job Titles

heating system mechanic

heating technician

oil burner apprentice

oil burner installer

oil burner mechanic

oil burner mechanic apprentice

oil burner mechanic, residential

wood burner installer

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to understand and apply knowledge of heating unit installation and maintenance principles and procedures, and to install, maintain and repair oil, coal and wood heating systems
- **Spatial perception** to read and interpret drawings and specifications to determine work to be done
- **Form perception** to lay out and assemble heating system components for oil burners
- **Motor co-ordination** to install oil burner components such as thermostats, motors, piping and safety devices, and connect to fuel supply, ventilation and electrical systems using hand and power tools
- **Objective interest in precision working** to test installed units and adjust controls for proper functioning
- **Innovative interest in analyzing** information to troubleshoot and repair malfunctioning oil burners, and their components and controls
- **Methodical interest in speaking** when scheduling and performing maintenance service on oil and solid fuel heating systems



## Physical Activities

### Vision

- 2 Near vision

### Colour Discrimination

- 1 Relevant

### Hearing

- 1 Limited

### Body Position

- 4 Other body positions

### Limb Co-ordination

- 1 Upper limb co-ordination

### Strength

- 4 Heavy

## Environmental Conditions

### Location

- L1 Regulated inside climate

### Hazards

- H3 Equipment, machinery, tools

## Employment Requirements

### Education/Training

4+, 5, R

- Completion of secondary school is usually required.
- Completion of a three- to four-year apprenticeship program  
*or*  
a combination of over four years of work experience in the trade and some college or industry courses in heating systems installation and repair is usually required for trade certification.
- Trade certification is compulsory in Nova Scotia and Quebec, and is available, but voluntary, in Newfoundland and Labrador, Prince Edward Island, New Brunswick, British Columbia, Nunavut, the Northwest Territories and the Yukon.
- Interprovincial trade certification (Red Seal) is also available to qualified oil burner mechanics.

## Workplaces/Employers

Heating systems installation and service companies

## Occupational Options

Progression to supervisory positions is possible with experience.

Red Seal trade certification allows for interprovincial mobility.

## Similar Occupations Classified Elsewhere

*Refrigeration and Air Conditioning Mechanics (7313)*

Servicers of natural gas furnaces (in 7253 *Gas Fitters*)

Supervisors of oil and solid fuel heating mechanics (in 7216 *Contractors and Supervisors, Mechanic Trades*)

# 7332.1 Small Appliance Servicers and Repairers

Electric appliance servicers and repairers service and repair small domestic electrical appliances.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	3	3	3	3	4	3	3	3

### INTERESTS

OMi

### DATA PEOPLE THINGS (DPT)

364

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	1	3	3	1	2

### ENVIRONMENTAL CONDITIONS (EC)

L1, H3, H4, D1

### EDUCATION/TRAINING

4, R

## Examples of Job Titles

appliance repairer apprentice  
appliance service technician  
appliance service technician apprentice  
appliance servicer  
service technician – electrical appliances  
vacuum cleaner repairer

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to examine and repair small appliances such as power tools, kitchen toasters and electric lawn and garden equipment
- **Verbal ability** to consult customers and refer to work orders to determine why appliances do not work properly
- **Numerical ability** to prepare cost estimates of work performed
- **Spatial and form perception** to refer to schematic diagrams and product manuals, and to recognize structural and mechanical defects
- **Motor co-ordination and finger and manual dexterity** to handle parts and tools and to pick up and position small parts
- **Objective interest in operating** electrical test equipment to conduct voltage, resistance and other tests, and in operating soldering equipment and hand tools to replace and repair parts
- **Methodical interest in compiling** information to prepare reports of work done
- **Innovative interest in speaking** with customers to establish nature of appliance malfunction and to provide cost estimates for repairs

## Physical Activities

### Vision

- 2 Near vision

### Colour Discrimination

- 1 Relevant

### Hearing

- 3 Other sound discrimination

### Body Position

- 3 Sitting, standing, walking

### Limb Co-ordination

- 1 Upper limb co-ordination

### Strength

- 2 Light

## Environmental Conditions

### Location

- L1 Regulated inside climate

### Hazards

- H3 Equipment, machinery, tools
- H4 Electricity

### Discomforts

- D1 Noise

## Employment Requirements

### Education/Training

- 4, R

- Small appliance repairers usually require some specialized college or high school courses or several months of on-the-job training.

- Appliance service technician trade certification is compulsory in Alberta and available, but voluntary, in Newfoundland and Labrador, Nova Scotia, New Brunswick, Prince Edward Island, British Columbia, Nunavut and the Northwest Territories.

- Interprovincial trade certification (Red Seal) is available to qualified appliance service technicians.

## Workplaces/Employers

Appliance service companies

Repair departments of retail and wholesale establishments

Repair shops

## Occupational Options

Progression to supervisory positions is possible with experience.

Red Seal trade certification allows for interprovincial mobility.

## Similar Occupations Classified Elsewhere

*Electronic Service Technicians (Household and Business Equipment) (2242)*

Supervisors of electrical appliance servicers and repairers (in 7216 *Contractors and Supervisors, Mechanic Trades*)

# 7332.2 Major Appliance Repairers/Technicians

Electric appliance repairers and technicians service and repair major domestic electric appliances.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	3	3	3	3	4	3	3	3

### INTERESTS

OMI

### DATA PEOPLE THINGS (DPT)

364

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	1	3	4	1	3

### ENVIRONMENTAL CONDITIONS (EC)

L1, H3, H4

### EDUCATION/TRAINING

5, 6, R

## Examples of Job Titles

- appliance repairer apprentice
- appliance service technician
- appliance service technician apprentice
- appliance servicer
- dishwasher repairer
- refrigerator repairer
- service technician – electrical appliances
- stove repairer
- washing machine servicer

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to examine and repair major appliances such as refrigerators and window air conditioners either in repair shops or in customers' residences
- **Verbal ability** to consult customers and refer to work orders to determine why appliances do not work properly
- **Numerical ability** to prepare cost estimates of work performed
- **Spatial** and **form perception** to refer to schematic diagrams and product manuals, and to disassemble appliances using hand tools
- **Motor co-ordination** and **finger and manual dexterity** to replace components and subcomponents and to reassemble appliances using hand tools and soldering and brazing equipment
- **Objective interest** in **operating** test equipment such as meters and gauges to measure resistance, current, voltage and pressure, and to operate hand tools and soldering and brazing equipment
- **Methodical interest** in **speaking** to customers during service calls to establish nature of appliance malfunction; and in planning service routes and preparing written accounts of work performed
- **Innovative interest** in **compiling** information to diagnose faults by checking controls, condensers, timer sequences, fans and other components

## Physical Activities

### Vision

- 2 Near vision

### Colour Discrimination

- 1 Relevant

### Hearing

- 3 Other sound discrimination

### Body Position

- 4 Other body positions

### Limb Co-ordination

- 1 Upper limb co-ordination

### Strength

- 3 Medium

## Environmental Conditions

### Location

- L1 Regulated inside climate

### Hazards

- H3 Equipment, machinery, tools
- H4 Electricity

## Employment Requirements

### Education/Training

- 5, 6, R

- Major appliance service/repair technicians require some secondary school education and completion of a college program in appliance repair *or* completion of a three- or four-year apprenticeship program in appliance repair.
- Appliance service technician trade certification is compulsory in Alberta and available, but voluntary, in Newfoundland and Labrador, Nova Scotia, New Brunswick, Prince Edward Island, British Columbia, Nunavut and the Northwest Territories.
- Interprovincial trade certification (Red Seal) is available to qualified appliance service technicians.

## Workplaces/Employers

Appliance service companies

Repair departments of retail and wholesale establishments

Repair shops

## Occupational Options

Progression to supervisory positions is possible with experience.

Red Seal trade certification allows for interprovincial mobility.

## Similar Occupations Classified Elsewhere

*Electronic Service Technicians*  
(Household and Business Equipment)  
(2242)

Supervisors of electrical appliance servicers and repairers (in 7216  
*Contractors and Supervisors, Mechanic Trades*)

# 7333 Electrical Mechanics

Electrical mechanics maintain, test, rebuild and repair electric motors, transformers, switchgear and other electrical apparatus.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	4	4	3	3	4	3	3	3

### INTERESTS

OMI

### DATA PEOPLE THINGS (DPT)

281

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	1	3	4	1	4

### ENVIRONMENTAL CONDITIONS (EC)

L1, H1\*, H3, H4, H7, D1

### EDUCATION/TRAINING

4+, 5, R

## Examples of Job Titles

armature winder repairer  
coil winder and repairer  
electric motor systems technician  
electrical mechanic  
electrical mechanic apprentice  
electrical rewind mechanic  
electrical transformer repairer  
industrial motor winder-repairer  
power transformer repairer  
transformer repairer

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to test, observe and repair electrical, electronic and mechanical components and systems using testing and measuring instruments
- **Spatial perception** to visualize relationship of parts and components when servicing and repairing
- **Form perception** to recognize mechanical defects when testing, repairing and replacing faulty wiring and components in switchgear, and when replacing and reconditioning shafts, bearings, commutators and other components
- **Motor co-ordination** to operate machine tools to recondition and modify shafts, commutators and other parts
- **Finger and manual dexterity** to wind, assemble and install coils for motors and transformers
- **Objective interest in precision working** to perform static and dynamic balancing of armatures and rotors by welding, brazing and soldering electrical connections, and by aligning and adjusting parts
- **Methodical interest** in testing repaired motors, transformers, switchgear and other electrical apparatus to make sure they work properly
- **Innovative interest in analyzing** information to troubleshoot and repair motors, transformers, switchgear, generators and other electrical electro-mechanical equipment



## Physical Activities

Vision  
2 Near vision

Colour Discrimination  
1 Relevant

Hearing  
3 Other sound discrimination

Body Position  
4 Other body positions

Limb Co-ordination  
1 Upper limb co-ordination

Strength  
4 Heavy

## Environmental Conditions

Location  
L1 Regulated inside climate

Hazards  
H1\* Dangerous chemical substances  
H3 Equipment, machinery, tools  
H4 Electricity  
H7 Fire, steam, hot surfaces

Discomforts  
D1 Noise

## Employment Requirements

Education/Training  
4+, 5, R

- Completion of secondary school is usually required.
- Completion of a four-year apprenticeship program *or* a combination of over four years of work experience in the trade and some college or industry courses in electrical mechanics is usually required for trade certification.

■ Trade certification as an electrical rewind mechanic is available, but voluntary, in Newfoundland and Labrador, Nova Scotia, Prince Edward Island, New Brunswick, Manitoba, Alberta, British Columbia, Nunavut, the Northwest Territories and the Yukon.

- Interprovincial trade certification (Red Seal) is available to qualified electric motor system technicians.

## Workplaces/Employers

Electrical repair shops

Maintenance departments of manufacturing companies

Service shops of electrical equipment manufacturers

## Occupational Options

Progression to supervisory positions is possible with experience.

Although specialization may occur, workers in this group are expected to be proficient in repairing all electrical apparatus.

Red Seal trade certification allows for interprovincial mobility

## Similar Occupations Classified Elsewhere

Aircraft electrical mechanics (in 2244 *Aircraft Instrument, Electrical and Avionics Mechanics, Technicians and Inspectors*)

*Assemblers, Fabricators and Inspectors, Industrial Electrical Motors and Transformers* (9485)

*Industrial Electricians* (7242)

Supervisors of electrical mechanics (in 7216 *Contractors and Supervisors, Mechanic Trades*)

## Remarks

Electrical mechanics may specialize in working with certain types of apparatus, such as electric motors or transformers, or in performing certain functions, such as winding coils.

\*Environmental Conditions

- For some occupations in this group, **Hazards H1** (Dangerous chemical substances) may also apply.



7334

Motorcycle and Other Related Mechanics

Mechanics in this group test, repair and service motorcycles, motor scooters, snowmobiles, forklifts and all-terrain vehicles.

Profile Summary

APTITUDES

G	V	N	S	P	Q	K	F	M
3	3	3	3	3	4	3	3	3

INTERESTS

OMi

DATA PEOPLE THINGS (DPT)

261

PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	1	3	4	1	3

ENVIRONMENTAL CONDITIONS (EC)

L1, H3, D1

EDUCATION/TRAINING

4+, 5, R

Examples of Job Titles

- all-terrain vehicle repairer
- forklift mechanic
- industrial truck repairer
- motor scooter repairer
- motorcycle mechanic
- motorcycle mechanic apprentice
- snowmobile repairer

Descriptor Profile

Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- General learning ability** to understand and apply mechanical repair principles and procedures to repair and service motorcycles, motor scooters, snowmobiles, forklifts and all-terrain vehicles
- Verbal ability** to advise customers on work performed and condition of equipment
- Numerical ability** to determine cost estimates of repairs
- Spatial and form perception** to inspect and test engine and other mechanical components using test devices to diagnose and isolate faults
- Motor co-ordination and finger and manual dexterity** to adjust, repair and replace mechanical and electrical system parts and components using hand tools and equipment
- Objective interest in precision working** to test and adjust repaired systems for proper performance; may repair and rebuild hoisting mechanism and other mechanical systems on industrial trucks and forklifts
- Methodical interest in analyzing** information to perform scheduled maintenance service on equipment
- Innovative interest in speaking** with supervisor to discuss work to be done and to review work orders

## Physical Activities

### Vision

- 2 Near vision

### Colour Discrimination

- 1 Relevant

### Hearing

- 3 Other sound discrimination

### Body Position

- 4 Other body positions

### Limb Co-ordination

- 1 Upper limb co-ordination

### Strength

- 3 Medium

## Environmental Conditions

### Location

- L1 Regulated inside climate

### Hazards

- H3 Equipment, machinery, tools

### Discomforts

- D1 Noise

## Employment Requirements

### Education/Training

4+, 5, R

- Completion of secondary school is usually required.
- For motorcycle mechanics, completion of a three- to four-year apprenticeship program  
or  
a combination of over three years of work experience in the trade and some high school or college courses in motorcycle repair is usually required to be eligible for trade certification.
- Motorcycle mechanic trade certification is compulsory in Ontario and Alberta and available, but voluntary, in Newfoundland and Labrador, Prince Edward Island, Nova Scotia, New Brunswick and British Columbia.
- Other mechanics in this group may require several years of on-the-job training.
- Interprovincial trade certification (Red Seal) is also available for qualified motorcycle mechanics.

## Workplaces/Employers

Service establishments

Service shops of motorcycle dealers and retailers

## Occupational Options

Progression to supervisory positions is possible with experience.

There is mobility between some occupations in this group.

Red Seal trade certification allows for interprovincial mobility.

## Similar Occupations Classified Elsewhere

*Other Small Engine and Equipment Mechanics (7335)*

Supervisors of motorcycle and related equipment mechanics (in 7216 *Contractors and Supervisors, Mechanic Trades*)

# 7335 Other Small Engine and Equipment Mechanics

Mechanics in this group test, repair and service small gasoline and diesel-powered equipment, such as garden tractors, outboard motors, lawn mowers and other related equipment.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	3	3	3	3	4	4	3	3

### INTERESTS

OMi

### DATA PEOPLE THINGS (DPT)

261

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	1	3	4	1	3

### ENVIRONMENTAL CONDITIONS (EC)

L1, H3, D1

### EDUCATION/TRAINING

4+, 5, R

## Examples of Job Titles

air-cooled engine mechanic  
lawn and garden equipment technician  
lawn mower repairer, gasoline powered  
motor boat mechanic  
outboard motor mechanic  
small engine technician  
small equipment mechanic apprentice  
small equipment repairer

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to inspect, test, repair and service engines, motors and other mechanical components
- **Verbal ability** to advise customers on work performed and condition of equipment
- **Numerical ability** to determine cost estimates of repairs
- **Spatial perception** to understand and visualize relationships and arrangements of parts in engines, motors and other components
- **Form perception** to detect faults in parts when inspecting and testing components
- **Finger and manual dexterity** to adjust, repair and replace mechanical and electrical system parts and components using hand tools and equipment
- **Objective interest in precision working** to use test devices to diagnose and isolate faults, and to test and adjust repaired equipment for proper performance
- **Methodical interest in analyzing** information to perform scheduled maintenance service on equipment
- **Innovative interest in speaking** with supervisor to discuss work to be done and to review work orders

## Physical Activities

### Vision

- 2 Near vision

### Colour Discrimination

- 1 Relevant

### Hearing

- 3 Other sound discrimination

### Body Position

- 4 Other body positions

### Limb Co-ordination

- 1 Upper limb co-ordination

### Strength

- 3 Medium

## Environmental Conditions

### Location

- L1 Regulated inside climate

### Hazards

- H3 Equipment, machinery, tools

### Discomforts

- D1 Noise

## Employment Requirements

### Education/Training

4+, 5, R

- Completion of secondary school is usually required.
- Completion of a three- to four-year apprenticeship program in small engine or equipment repair *or* a combination of several years of work experience in the trade and some high school or college courses in small engine or equipment repair are usually required for trade certification.
- Small engine or equipment mechanic trade certification is available, but voluntary, in Newfoundland and Labrador, Prince Edward Island, New Brunswick, Ontario, British Columbia, Nunavut and the Northwest Territories.
- Inboard/outboard mechanic trade certification is available, but voluntary, in Ontario and British Columbia.

## Workplaces/Employers

Dealer service shops

Service establishments

## Occupational Options

Progression to supervisory positions is possible with experience.

## Similar Occupations Classified Elsewhere

*Motorcycle and Other Related Mechanics* (7334)

Supervisors of small engine and equipment mechanics (in 7216 *Contractors and Supervisors, Mechanic Trades*)

# 7341 Upholsterers

Upholsterers cover furniture, fixtures and similar items with fabric, leather and other upholstery materials.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	3	3	2	3	4	3	3	3

### INTERESTS

OMI

### DATA PEOPLE THINGS (DPT)

361

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	1	2	4	2	3

### ENVIRONMENTAL CONDITIONS (EC)

L1, H3, D4

### EDUCATION/TRAINING

4, 5

## Examples of Job Titles

aircraft interior technician  
automobile upholsterer  
custom upholsterer  
furniture upholsterer  
upholsterer  
upholstery repairer

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to understand and apply upholstering techniques and procedures and to select appropriate tools and materials in order to cover furniture, fixtures and similar items
- **Numerical ability** to provide cost estimates for upholstering furniture and other items
- **Spatial and form perception** to lay out, measure and cut materials according to sketches and design specifications; may make patterns from sketches, customer descriptions and blueprints
- **Motor co-ordination and manual dexterity** to operate sewing machines and sew materials by hand in order to seam cushions and join sections of covering materials and to replace worn-out webbing, springs and other furniture parts using hand and power tools
- **Finger dexterity** to tack, glue and sew ornamental trim, braids and buttons on upholstered items
- **Objective interest in precision working** to lay out, cut, fabricate and install upholstery in aircraft, motor vehicles, railway cars, boats and ships; may install, fabricate, maintain and repair interior components of aircraft, such as seats, coverings, drapes, cargo nets, flooring, closets, bins and panels
- **Methodical interest in compiling** information to install padding and underlays and to fasten covering materials to furniture frames
- **Innovative interest in speaking** with customers to discuss upholstery fabric, colour and style; may repair furniture frames and refinish wood surfaces

## Physical Activities

### Vision

- 2 Near vision

### Colour Discrimination

- 1 Relevant

### Hearing

- 2 Verbal interaction

### Body Position

- 4 Other body positions

### Limb Co-ordination

- 2 Multiple limb co-ordination

### Strength

- 3 Medium

## Environmental Conditions

### Location

- L1 Regulated inside climate

### Hazards

- H3 Equipment, machinery, tools

### Discomforts

- D4 Non-toxic dusts

## Employment Requirements

### Education/Training

- 4, 5

- Completion of secondary school is usually required.
- Completion of college or other specialized courses or an apprenticeship program in furniture upholstery and repair *or* several years of on-the-job training, including working as an upholsterer helper are usually required.

## Workplaces/Employers

Furniture repair shops

Furniture retail outlets

Furniture, aircraft, motor vehicle and other manufacturing companies

Self-employment

## Occupational Options

Progression to supervisory positions is possible with experience.

## Similar Occupations Classified Elsewhere

*Furniture and Fixture Assemblers and Inspectors* (9492)

*Furniture Finishers and Refinishers* (9494)

Supervisors of upholsterers in furniture manufacturing (in 9224 *Supervisors, Furniture and Fixtures Manufacturing*)

Upholsterer helpers (in 9619 *Other Labourers in Processing, Manufacturing and Utilities*)



# 7342.1 Tailors

Tailors make, alter and repair tailored clothing, coats and other made-to-measure garments.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	3	4	3	3	4	3	2	3

### INTERESTS

OIM

### DATA PEOPLE THINGS (DPT)

261

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	1	2	4	1	2

### ENVIRONMENTAL CONDITIONS (EC)

L1, H3

### EDUCATION/TRAINING

2+, 4+

## Examples of Job Titles

custom tailor

tailor

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to apply techniques of tailoring to make made-to-measure garments such as suits and coats according to customers' and clothing manufacturers' specifications
- **Spatial perception** to visualize the fit and drape of assembled garments from measurements, sketches and patterns; and to design garments and draft patterns to fit measurements
- **Form perception** to perceive detail in style designs, patterns and material
- **Finger dexterity** to assemble, baste and sew garment parts using needle and thread and sewing machines
- **Objective interest** in **precision working** to mark, cut and sew fabric, to finish garments using needle and thread and to measure customers for size; may repair garments as required
- **Innovative interest** in **analyzing** information to perform specialized hand and machine sewing operations; may alter original patterns to fit customers' measurements
- **Methodical interest** in **speaking** with customers to determine materials, styles and designs of garments, as well as to discuss garment repairs



## Physical Activities

### Vision

- 2 Near vision

### Colour Discrimination

- 1 Relevant

### Hearing

- 2 Verbal interaction

### Body Position

- 4 Other body positions

### Limb Co-ordination

- 1 Upper limb co-ordination

### Strength

- 2 Light

## Environmental Conditions

### Location

- L1 Regulated inside climate

### Hazards

- H3 Equipment, machinery, tools

## Employment Requirements

### Education/Training

- 2+, 4+

- Completion of secondary school may be required.
- Tailors require demonstrated ability to sew, style and fit garments and may require completion of college or other courses in tailoring.

## Workplaces/Employers

Clothing alteration shops

Clothing retailers

Dry cleaners

Garment manufacturing companies

Self-employment

## Similar Occupations Classified Elsewhere

Couturier – haute couture (in 5243  
*Theatre, Fashion, Exhibit and Other  
Creative Designers*)

*Machine Operators and Related Workers  
in Fabric, Fur and Leather Products  
Manufacturing* (945)

# 7342.2 Dressmakers

Dressmakers make, alter and repair dresses and other made-to-measure garments.

## Profile Summary

APTITUDES									
G	V	N	S	P	Q	K	F	M	
3	3	4	3	3	4	3	2	3	
INTERESTS									
OIM									
DATA PEOPLE THINGS (DPT)									
261									
PHYSICAL ACTIVITIES (PA)									
V	C	H	B	L	S				
2	1	2	4	1	2				
ENVIRONMENTAL CONDITIONS (EC)									
L1, H3									
EDUCATION/TRAINING									
2+, 4+									

## Examples of Job Titles

alterations dressmaker  
dressmaker  
seamstress

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to apply techniques of dressmaking to make dresses and other made-to-measure garments
- **Spatial perception** to visualize the fit and drape of assembled garments from measurements, sketches and patterns; and to select and modify commercial patterns to customers' and clothing manufacturers' specifications
- **Form perception** to perceive detail in style designs, patterns and material
- **Finger dexterity** to assemble, baste and sew garment parts using needle and thread and sewing machines
- **Objective interest in precision working** to mark, cut and sew fabric, to finish garments using needle and thread and to measure customers for size; may repair garments as required
- **Innovative interest in analyzing** information to perform specialized hand and machine sewing operations; may alter original patterns to fit customers' measurements
- **Methodical interest in speaking** with customers to determine materials, styles and designs of garments, as well as to discuss garment repairs

## Physical Activities

### Vision

- 2 Near vision

### Colour Discrimination

- 1 Relevant

### Hearing

- 2 Verbal interaction

### Body Position

- 4 Other body positions

### Limb Co-ordination

- 1 Upper limb co-ordination

### Strength

- 2 Light

## Environmental Conditions

### Location

- L1 Regulated inside climate

### Hazards

- H3 Equipment, machinery, tools

## Employment Requirements

### Education/Training

2+, 4+

- Completion of secondary school may be required.
- Dressmakers require demonstrated ability to sew, style and fit garments and may require completion of college or other courses in dressmaking.

## Workplaces/Employers

Clothing alteration shops

Clothing retailers

Dry cleaners

Garment manufacturing companies

Self-employment

## Similar Occupations Classified Elsewhere

Couturier – haute couture (in 5243 *Theatre, Fashion, Exhibit and Other Creative Designers*)

*Machine Operators and Related Workers in Fabric, Fur and Leather Products Manufacturing* (945)

# 7342.3 Furriers

Furriers make, alter and repair fur coats and other fur garments and accessories.

## Profile Summary

**APTITUDES**

G	V	N	S	P	Q	K	F	M
3	3	4	2	2	4	3	2	3

**INTERESTS**

OIM

**DATA PEOPLE THINGS (DPT)**

281

**PHYSICAL ACTIVITIES (PA)**

V	C	H	B	L	S
2	1	2	4	1	2

**ENVIRONMENTAL CONDITIONS (EC)**

L1, H3, D4

**EDUCATION/TRAINING**

2+

## Examples of Job Titles

custom furrier

furrier

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to apply the techniques of furriery to make, alter, restyle and repair natural fur garments and accessories
- **Verbal ability** to determine customers' sizes and style preferences
- **Spatial perception** to arrange pelts on patterns for cutting in order to achieve best appearance and symmetry
- **Form perception** to inspect pelts for texture and quality and to notice minor items relevant to styles, designs and patterns
- **Finger dexterity** to cut pelts according to patterns, and to sew fur parts and linings to produce finished articles
- **Objective interest in precision working** to join furs together using sewing machines, and to lay out, stretch and trim sewn parts to conform to patterns
- **Innovative interest in analyzing** pelts to grade, sort and match furs
- **Methodical interest** in planning and preparing work steps; and in preparing skins by cutting off unusable parts

## Physical Activities

### Vision

- 2 Near vision

### Colour Discrimination

- 1 Relevant

### Hearing

- 2 Verbal interaction

### Body Position

- 4 Other body positions

### Limb Co-ordination

- 1 Upper limb co-ordination

### Strength

- 2 Light

## Environmental Conditions

### Location

- L1 Regulated inside climate

### Hazards

- H3 Equipment, machinery, tools

### Discomforts

- D4 Non-toxic dusts

## Employment Requirements

### Education/Training

- 2+

- Completion of secondary school may be required.
- Furriers require several years of experience in selecting pelts and making, fitting, styling and altering fur garments and accessories.

## Workplaces/Employers

Clothing alteration shops

Clothing retailers

Dry cleaners

Garment manufacturing companies

Self-employment

## Similar Occupations Classified Elsewhere

Couturier – haute couture (in 5243 *Theatre, Fashion, Exhibit and Other Creative Designers*)

*Machine Operators and Related Workers in Fabric, Fur and Leather Products Manufacturing* (945)

# 7342.4 Milliners

Milliners make, alter and repair hats.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	3	4	3	3	4	3	2	3

### INTERESTS

OIM

### DATA PEOPLE THINGS (DPT)

281

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	1	2	4	1	2

### ENVIRONMENTAL CONDITIONS (EC)

L1, H3

### EDUCATION/TRAINING

2+

## Examples of Job Titles

milliner

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to apply knowledge of millinery techniques and to plan and create original and fashionable designs
- **Spatial perception** to visualize shape, arrangement and relationship of materials, trimmings and ornaments
- **Form perception** to make accurate visual comparisons of completed hats against existing, or original, designs and specifications
- **Finger dexterity** to hand-sew linings, ribbons, veils and other trimmings to hats
- **Objective interest in precision working** to shape, wire, sew, glue and block materials using hat forms, needle and thread, sewing machines, steamers and hand irons
- **Innovative interest in analyzing** information to alter hats to customers' specifications by changing shapes, ornaments and trimmings
- **Methodical interest** in laying out and cutting materials following patterns, and in sewing, forming and pressing materials into desired styles, shapes and sizes

### Physical Activities

#### Vision

- 2 Near vision

#### Colour Discrimination

- 1 Relevant

#### Hearing

- 2 Verbal interaction

#### Body Position

- 4 Other body positions

#### Limb Co-ordination

- 1 Upper limb co-ordination

#### Strength

- 2 Light

### Environmental Conditions

#### Location

- L1 Regulated inside climate

#### Hazards

- H3 Equipment, machinery, tools

### Employment Requirements

#### Education/Training

2+

- Completion of secondary school may be required.
- Milliners require demonstrated ability to sew, style and fit hats and caps.

### Workplaces/Employers

Clothing alteration shops

Clothing retailers

Dry cleaners

Garment manufacturing companies

Self-employment

### Similar Occupations Classified Elsewhere

Couturier – haute couture (in 5243  
*Theatre, Fashion, Exhibit and Other  
Creative Designers*)

*Machine Operators and Related Workers  
in Fabric, Fur and Leather Products  
Manufacturing (945)*



# 7342.5 Alterationists

Alterationists fit, alter and repair garments.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	3	4	3	3	4	3	2	3

### INTERESTS

OMi

### DATA PEOPLE THINGS (DPT)

561

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	1	2	4	1	2

### ENVIRONMENTAL CONDITIONS (EC)

L1, H3

### EDUCATION/TRAINING

2+

## Examples of Job Titles

alterationist, garments  
seamstress – alterations

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to fit, alter and repair garments according to customers' requests by hand and using sewing machines
- **Spatial perception** to position and pin sections of fabric, cut fabric according to patterns and visualize fit of garments when making alterations
- **Form perception** to perceive detail in designs, patterns and materials
- **Finger dexterity** to sew garments using needle and thread and to baste and pin fabric parts in preparation for final sewing
- **Objective interest in precision working** to make alterations while maintaining the drape and proportion of garments
- **Methodical interest in speaking** with customers to determine alterations and repairs required; and in applying sewing techniques to complete modifications and repairs
- **Innovative interest in copying** information from marks on garments and from garment repair tags to make alterations and repairs

## Physical Activities

### Vision

- 2 Near vision

### Colour Discrimination

- 1 Relevant

### Hearing

- 2 Verbal interaction

### Body Position

- 4 Other body positions

### Limb Co-ordination

- 1 Upper limb co-ordination

### Strength

- 2 Light

## Environmental Conditions

### Location

- L1 Regulated inside climate

### Hazards

- H3 Equipment, machinery, tools

## Employment Requirements

### Education/Training

- 2+

- Completion of secondary school may be required.
- Alterationists require demonstrated ability to sew, alter and repair garments.

## Workplaces/Employers

Clothing alteration shops

Clothing retailers

Dry cleaners

Garment manufacturing companies

Self-employment

## Similar Occupations Classified Elsewhere

Couturier – haute couture (in 5243  
*Theatre, Fashion, Exhibit and Other  
Creative Designers*)

*Machine Operators and Related Workers  
in Fabric, Fur and Leather Products  
Manufacturing* (945)

# 7343.1 Shoemakers

Shoemakers make specialized and custom shoes and boots.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	3	4	3	3	4	3	2	3

### INTERESTS

OIM

### DATA PEOPLE THINGS (DPT)

361

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	1	2	1	1	2

### ENVIRONMENTAL CONDITIONS (EC)

L1, H3, D3

### EDUCATION/TRAINING

2+

## Examples of Job Titles

bootmaker  
custom shoemaker  
orthopedic shoemaker  
shoemaker

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to understand and apply custom shoemaking techniques to make specialized footwear
- **Verbal ability** to discuss type of footwear to be made with customers; may supervise other shoemakers and shoe repairers
- **Spatial and form perception** to select patterns, leather and other materials and to outline and cut patterns
- **Finger dexterity** to select and assemble lasts, fasten insoles to lasts, and sew and glue other parts into place
- **Objective interest in precision working** to trim, dress and otherwise finish boots and shoes
- **Innovative interest in compiling** information from customers to make specialized footwear and estimate custom footwear costs
- **Methodical interest in speaking** with customers to obtain their measurements and receive payment

## Physical Activities

### Vision

- 2 Near vision

### Colour Discrimination

- 1 Relevant

### Hearing

- 2 Verbal interaction

### Body Position

- 1 Sitting

### Limb Co-ordination

- 1 Upper limb co-ordination

### Strength

- 2 Light

## Environmental Conditions

### Location

- L1 Regulated inside climate

### Hazards

- H3 Equipment, machinery, tools

### Discomforts

- D3 Odours

## Employment Requirements

### Education/Training

2+

- Some secondary school may be required.
- Extensive on-the-job training is provided for shoemakers.
- Shoemakers may require experience as shoe repairers.

## Workplaces/Employers

Custom shoemaking establishments

Self-employment

Shoe repair shops

## Similar Occupations Classified Elsewhere

Labourers in shoe manufacturing (in 9619 *Other Labourers in Processing, Manufacturing and Utilities*)

Workers who cut fabric or leather to form shoe parts on a production basis (in 9452 *Fabric, Fur and Leather Cutters*)

Workers who operate sewing machines to make shoes on a production basis (in 9451 *Sewing Machine Operators*)

# 7343.2 Shoe Repairers

Shoe repairers mend footwear.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	3	4	3	3	5	3	3	3

### INTERESTS

OMI

### DATA PEOPLE THINGS (DPT)

561

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	1	2	1	1	2

### ENVIRONMENTAL CONDITIONS (EC)

L1, H3, D3

### EDUCATION/TRAINING

2

## Examples of Job Titles

shoe repairer

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning** and **verbal ability** to repair and refinish shoes according to customer specifications
- **Form perception** to perceive detail to determine the nature of damages and type of shoes
- **Motor co-ordination** and **finger and manual dexterity** to restitch ripped portions and sew patches over shoe uppers by hand and machine
- **Objective interest** in **precision working** to repair soles, heels and other parts of footwear using sewing, buffing and other shoe repair machines, materials and equipment
- **Methodical interest** in **speaking** to customers to estimate footwear repair costs and receive payment
- **Innovative interest** in **copying** information to remove damaged parts in order to repair shoes, belts, luggage, purses and similar products

## Physical Activities

### Vision

- 2 Near vision

### Colour Discrimination

- 1 Relevant

### Hearing

- 2 Verbal interaction

### Body Position

- 1 Sitting

### Limb Co-ordination

- 1 Upper limb co-ordination

### Strength

- 2 Light

## Environmental Conditions

### Location

- L1 Regulated inside climate

### Hazards

- H3 Equipment, machinery, tools

### Discomforts

- D3 Odours

## Employment Requirements

### Education/Training

- 2

- Some secondary school may be required.
- Several months of on-the-job training is provided for shoe repairers.

## Workplaces/Employers

Custom shoemaking establishments

Self-employment

Shoe repair shops

## Occupational Options

Shoe repairers may progress to shoemakers with experience.

## Similar Occupations Classified Elsewhere

Labourers in shoe manufacturing (in 9619 *Other Labourers in Processing, Manufacturing and Utilities*)

Workers who cut fabric or leather to form shoe parts on a production basis (in 9452 *Fabric, Fur and Leather Cutters*)

Workers who operate sewing machines to make shoes on a production basis (in 9451 *Sewing Machine Operators*)

# 7344.1 Jewellers and Related Workers

Jewellers and related workers fabricate, assemble, repair and appraise fine jewellery.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	3	3	2	2	4	1	1	2

### INTERESTS

OIM

### DATA PEOPLE THINGS (DPT)

281

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
1	1	2	1	1	1

### ENVIRONMENTAL CONDITIONS (EC)

L1, H3

### EDUCATION/TRAINING

5, 6

## Examples of Job Titles

diamond cutter  
gem cutter  
gemologist  
pearl cutter  
precious stone setter

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to understand the composition and structure of precious stones and metals to fabricate and repair precious and semi-precious metal jewellery such as rings, brooches, pendants, bracelets and locket; may supervise other jewellers
- **Spatial perception** to visualize designs to set precious and semi-precious stones in jewellery mountings according to specifications
- **Form perception** to detect peculiarities affecting stone values
- **Motor co-ordination** and **finger and manual dexterity** to mark cutting lines, cut and polish precious stones and solder intricate and fine pieces of jewellery to form rings, bracelets and brooches
- **Objective interest** in **precision working** to examine, cut, shape and polish diamonds and precious and synthetic gems using optical instruments, lathes, laps and cutting disks
- **Innovative interest** in **analyzing** information to differentiate between stones, to appraise gemstones and diamonds, and to identify rare specimens
- **Methodical interest** in cutting, sawing and filing articles in preparation for further processing



## Physical Activities

### Vision

- 1 Close visual acuity

### Colour Discrimination

- 1 Relevant

### Hearing

- 2 Verbal interaction

### Body Position

- 1 Sitting

### Limb Co-ordination

- 1 Upper limb co-ordination

### Strength

- 1 Limited

## Environmental Conditions

### Location

- L1 Regulated inside climate

### Hazards

- H3 Equipment, machinery, tools

## Employment Requirements

### Education/Training

5, 6

- Completion of secondary school is usually required.
- Completion of a college or other program, or apprenticeship training in jewellery repair or gemology is usually required.
- Experience as a jewellery, clock or watch assembler may be required.

## Workplaces/Employers

Jewellery and watch repair shops

Jewellery retail stores

Jewellery, clock and watch manufacturers

Self-employment

## Occupational Options

Mobility is possible among the various jewellery occupations in this group.

There is little mobility between the jewellery occupations and the watch repairers in the 7344 group.

## Similar Occupations Classified Elsewhere

Jewellery and clock and watch production assemblers (in 9498 *Other Assemblers and Inspectors*)

Silversmiths and jewellery artisans (in 5244 *Artisans and Craftspersons*)

## Remarks

Jewellers may specialize in certain kinds of jewellery, such as gold or silver, or in particular operations, such as fabrication or repair.

# 7344.2 Watch Repairers

Watch repairers clean, adjust, repair and fabricate parts for clocks and watches.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	3	3	3	2	4	1	1	2

### INTERESTS

OIM

### DATA PEOPLE THINGS (DPT)

281

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
1	0	2	1	1	1

### ENVIRONMENTAL CONDITIONS (EC)

L1, H3

### EDUCATION/TRAINING

5, 6, R

## Examples of Job Titles

clock repairer  
watch repairer  
watchmaker

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to understand the principles of clockwork mechanisms, to apply the techniques to fabricate and fit parts to make watches and clocks, and to make repairs and adjust timepieces and clock-operated devices; may supervise other watch repairers

- **Form perception** to examine clocks and watches, and to disassemble and check for defective and misaligned parts or rust
- **Motor co-ordination and finger and manual dexterity** to work with minute parts to repair and replace worn or broken parts, and to lubricate and adjust mechanisms
- **Objective interest in precision working** when using watchmaking instruments to examine, fabricate, repair and replace timepieces and to test, adjust and regulate timepiece movements
- **Innovative interest** in analyzing information to identify the causes of malfunctions and to fabricate and fit parts
- **Methodical interest** in cleaning parts of timepieces using special cleaning and rinsing solutions and ultrasonic and mechanical cleaning machines to remove dirt and dried lubricants

## Physical Activities

### Vision

- 1 Close visual acuity

### Colour Discrimination

- 0 Not relevant

### Hearing

- 2 Verbal interaction

### Body Position

- 1 Sitting

### Limb Co-ordination

- 1 Upper limb co-ordination

### Strength

- 1 Limited

## Environmental Conditions

### Location

- L1 Regulated inside climate

### Hazards

- H3 Equipment, machinery, tools

## Employment Requirements

### Education/Training

5, 6, R

- Completion of secondary school is usually required.
- Completion of a college or other program, or apprenticeship training in watch repair, is usually required.
- A watch repairer certificate is compulsory in Quebec and Ontario.
- Experience as a jewellery, clock or watch assembler may be required.

## Workplaces/Employers

Clock and watch manufacturers

Jewellery retail stores

Self-employment

Watch repair shops

## Occupational Options

There is little mobility between the jewellery occupations and the watch repairers in the 7344 group.

## Similar Occupations Classified Elsewhere

Jewellery and clock and watch production assemblers (in 9498 *Other Assemblers and Inspectors*)

Silversmiths and jewellery artisans (in 5244 *Artisans and Craftspersons*)

7351

Stationary Engineers and Auxiliary Equipment Operators

Stationary engineers and auxiliary equipment operators run and maintain various types of stationary engines and auxiliary equipment to provide heat, light, power and other utility services for commercial, industrial and institutional buildings and other work sites.

Profile Summary

Aptitudes

G	V	N	S	P	Q	K	F	M
3	3	3	3	4	4	3	4	3

Interests

Oim

Data People Things (DPT)

282

Physical Activities (PA)

V	C	H	B	L	S
2	0	1	4	1	2

Environmental Conditions (EC)

L1, H3, D1

Education/Training

4, 5, 6, R

Examples of Job Titles

- auxiliary plant operator
- boiler operator
- power engineer
- power engineer apprentice
- stationary engineer
- stationary engineer apprentice
- steam plant operator

Descriptor Profile

Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- General learning ability** to operate and maintain stationary engines and auxiliary equipment such as boilers, turbines, generators, pumps, compressors, pollution control devices and other equipment to provide heat, ventilation, refrigeration, light and power for buildings, industrial plants and other work sites
- Verbal ability** to prepare reports on plant operations
- Spatial perception** to visualize the relationship of components in stationary engines to troubleshoot and perform corrective action and minor repairs to prevent equipment or system failure
- Motor co-ordination and manual dexterity** to clean and lubricate generators, turbines, pumps and compressors, and to perform other routine equipment maintenance using lubricants, and hand, power and precision tools
- Objective interest in controlling** and operating automated and computerized control systems, stationary engines and auxiliary equipment
- Innovative interest in analyzing** information from instrument readings to detect leaks and other equipment malfunctions; may assist in the development of operation, maintenance and safety procedures
- Methodical interest** in recording instrument readings, in monitoring and inspecting computer terminals, plant equipment, switches, valves, gauges, alarms, meters and other instruments to measure temperature, pressure and fuel flow, in ensuring plant equipment is operating at maximum efficiency and in maintaining a daily log of operation, maintenance and safety activities

## Physical Activities

### Vision

2 Near vision

### Colour Discrimination

0 Not relevant

### Hearing

1 Limited

### Body Position

4 Other body positions

### Limb Co-ordination

1 Upper limb co-ordination

### Strength

2 Light

## Environmental Conditions

### Location

L1 Regulated inside climate

### Hazards

H3 Equipment, machinery, tools

### Discomforts

D1 Noise

## Employment Requirements

### Education/Training

4, 5, 6, R

- Completion of secondary school is usually required.
- Completion of a regulated apprenticeship program in stationary or power engineering or on-the-job training and correspondence courses, high school courses or a college training program in stationary or power engineering is required.
- Provincial or territorial certification or licensing according to class (4th, 3rd, 2nd and 1st class and an additional 5th class in Manitoba, Saskatchewan, Nunavut and the Northwest Territories) is required.

## Workplaces/Employers

Commercial establishments and other large facilities

Educational institutions

Governments

Hospitals

Hotels

Industrial and manufacturing plants

Utilities

## Occupational Options

Progression from lower to higher classes for stationary or power engineers is dependent on further training and experience.

## Similar Occupations Classified Elsewhere

*Power Systems and Power Station Operators (7352)*

Professional engineers (in 213 *Civil, Mechanical, Electrical and Chemical Engineers* and 214 *Other Engineers*)

Supervisors of stationary engineers and auxiliary equipment operators (in 9212 *Supervisors, Petroleum, Gas and Chemical Processing and Utilities*)

# 7352.1 Power Systems Operators

Power systems operators monitor and operate switchboards and related equipment in electrical control centres to control the distribution of electrical power in transmission networks.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	3	3	4	3	3	4	4	4

### INTERESTS

Omi

### DATA PEOPLE THINGS (DPT)

262

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	0	2	3	0	1

### ENVIRONMENTAL CONDITIONS (EC)

L1, H5\*

### EDUCATION/TRAINING

4+, 5, R

## Examples of Job Titles

- apprentice power dispatcher
- chief operator, area dispatch
- distribution control operator
- nuclear reactor operator
- power plant operator
- power system operator

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to monitor and operate computerized switchboards and auxiliary equipment in electrical control centres
- **Verbal and numerical ability** to co-ordinate and schedule generating station and substation power loads and line voltages to meet distribution demands during daily operations, system outages, repairs, and importing and exporting of power
- **Form perception** to monitor and inspect station instruments, meters and alarms to ensure that transmission voltages and line loadings are within prescribed limits, and to detect equipment failure, line disturbances and outages
- **Clerical perception** to complete and maintain station records, logs and reports
- **Objective interest in controlling** the distribution and regulating the flow of electrical power in transmission networks by operating switchboards and auxiliary equipment
- **Methodical interest in speaking** to issue work and test permits to electrical and mechanical maintenance personnel; and in assisting during routine system testing
- **Innovative interest in analyzing** information to direct generating station and substation power loads and line voltages to meet distribution demands, and to assist maintenance and technical personnel to locate and isolate system problems



## Physical Activities

### Vision

2 Near vision

### Colour Discrimination

0 Not relevant

### Hearing

2 Verbal interaction

### Body Position

3 Sitting, standing, walking

### Limb Co-ordination

0 Not relevant

### Strength

1 Limited

## Environmental Conditions

### Location

L1 Regulated inside climate

### Hazards

H5\* Radiation

## Employment Requirements

### Education/Training

4+, 5, R

- Completion of secondary school is required for power systems operators.
- Power systems operators require completion of a three- to five-year power systems operator apprenticeship program *or* over three years of work experience in the trade and some college or industry courses in electrical and electronic technology.
- Trade certification is available, but voluntary for power systems operators in Newfoundland and Labrador and New Brunswick.
- Control room operators at nuclear power plants require licensing from the Canadian Nuclear Safety Commission.

## Workplaces/Employers

Electric power utilities

Large manufacturing facilities

## Occupational Options

Progression to supervisory positions is possible with experience.

## Similar Occupations Classified Elsewhere

*Stationary Engineers and Auxiliary Equipment Operators (7351)*

Supervisors of power system and power station operators (in 9212 *Supervisors, Petroleum, Gas and Chemical Processing and Utilities*)

## Remarks

\*Environmental Conditions

- For some occupations in this group, Hazards H5 (Radiation) may also apply.



# 7352.2 Power Station Operators

Power station operators run reactors, turbines, boilers, generators and other related equipment in electrical generating stations and substations.

## Profile Summary

APTITUDES								
G	V	N	S	P	Q	K	F	M
3	3	3	4	3	3	4	4	4
INTERESTS								
Omi								
DATA PEOPLE THINGS (DPT)								
262								
PHYSICAL ACTIVITIES (PA)								
V	C	H	B	L	S			
2	0	2	3	1	2			
ENVIRONMENTAL CONDITIONS (EC)								
L1, H3, H4*, H5*, D1								
EDUCATION/TRAINING								
4+, 5, R								

## Examples of Job Titles

apprentice power dispatcher  
diesel station operator  
generating station operator  
nuclear reactor operator  
power dispatcher

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to operate reactors, turbines, boilers, generators, condensers and auxiliary equipment in hydro, thermal and nuclear power plants
- **Verbal and numerical ability** to communicate with systems operators to regulate water levels, transmission loads, frequency and line voltages
- **Form perception** to monitor and inspect power plant equipment and equipment indicators to detect operating problems
- **Clerical perception** to complete and maintain station records, logs and reports
- **Objective interest in controlling** switching operations, starting up and shutting down power plant equipment
- **Methodical interest in speaking** with systems operators to regulate and co-ordinate transmission loads, frequency and line voltage
- **Innovative interest in analyzing** information to make adjustments and minor repairs

## Physical Activities

### Vision

- 2 Near vision

### Colour Discrimination

- 0 Not relevant

### Hearing

- 2 Verbal interaction

### Body Position

- 3 Sitting, standing, walking

### Limb Co-ordination

- 1 Upper limb co-ordination

### Strength

- 2 Light

## Environmental Conditions

### Location

- L1 Regulated inside climate

### Hazards

- H3 Equipment, machinery, tools
- H4\* Electricity
- H5\* Radiation

### Discomforts

- D1 Noise

## Employment Requirements

### Education/Training

4+, 5, R

- Completion of secondary school is required for power station operators.
- Power station operators require an apprenticeship program in stationary or power engineering  
*or*  
several years of work experience in the trade and some high school, correspondence or college courses in stationary or power engineering.

- Power station operators require a provincial or territorial power engineering or stationary engineering certificate according to class.

## Workplaces/Employers

Electric power utilities

Large manufacturing facilities

## Occupational Options

Progression to supervisory positions is possible with experience.

## Similar Occupations Classified Elsewhere

*Stationary Engineers and Auxiliary Equipment Operators (7351)*

Supervisors of power system and power station operators (in 9212 *Supervisors, Petroleum, Gas and Chemical Processing and Utilities*)

## Remarks

\*Environmental Conditions

- For some occupations in this group, Hazards H4 (Electricity) and H5 (Radiation) may also apply.

# 7361.1 Railway Locomotive Engineers

Railway locomotive engineers operate railway locomotives to transport passengers and freight.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	3	3	3	3	4	4	4	3

### INTERESTS

OMI

### DATA PEOPLE THINGS (DPT)

363

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
4	1	3	1	2	2

### ENVIRONMENTAL CONDITIONS (EC)

L4, D1, D2

### EDUCATION/TRAINING

4, R

## Examples of Job Titles

freight train engineer

locomotive engineer – railway

railway engineer

switch engineer

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to understand and apply railway procedures, rules and regulations
- **Verbal ability** to communicate with train crews and traffic control personnel to give and receive information and instructions concerning stops, delays and oncoming trains
- **Spatial perception** to visualize the relationship of moving trains to other objects, to judge distances and to visualize the proper function of train and track systems
- **Form perception** to inspect equipment for wear and defects, and to observe tracks to see that they are clear of obstacles
- **Manual dexterity** to move controls in response to visual signals
- **Objective interest** in **operating** locomotives to transport passengers and freight on railways; and in operating communication systems
- **Methodical interest** in **speaking – signalling** to train crews and traffic controllers to ensure safe operation and scheduling of trains
- **Innovative interest** in **compiling** information to inspect assigned locomotives and test operating controls and equipment

## Physical Activities

### Vision

- 4 Total visual field

### Colour Discrimination

- 1 Relevant

### Hearing

- 3 Other sound discrimination

### Body Position

- 1 Sitting

### Limb Co-ordination

- 2 Multiple limb co-ordination

### Strength

- 2 Light

## Environmental Conditions

### Location

- L4 In a vehicle or cab

### Discomforts

- D1 Noise
- D2 Vibration

## Employment Requirements

### Education/Training

- 4, R

- Completion of secondary school is usually required.
- Experience as a conductor is required for railway locomotive engineers.
- Railway locomotive engineers require a Canadian Rail Operating Rules certificate.

## Workplaces/Employers

Industrial and commercial users of rail transport

Railway transport companies

## Occupational Options

Mobility between railway transport companies or between establishments employing locomotive engineers may be limited due to seniority provisions of collective agreements.

## Similar Occupations Classified Elsewhere

Subway and light rail transit operators (in 7412 *Bus Drivers and Subway and Other Transit Operators*)

*Supervisors, Railway Transport Operations (7221)*

Train dispatchers (in 2275 *Railway Traffic Controllers and Marine Traffic Regulators*)

# 7361.2 Yard Locomotive Engineers

Yard locomotive engineers operate locomotives within yards of railway, industrial and other establishments.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	4	4	3	4	4	4	4	3

### INTERESTS

OMi

### DATA PEOPLE THINGS (DPT)

363

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
4	1	3	1	2	2

### ENVIRONMENTAL CONDITIONS (EC)

L3, L4, D1, D2

### EDUCATION/TRAINING

3, 4

## Examples of Job Titles

railway hostler  
yard engineer – railway

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to understand and apply railway procedures, rules and regulations
- **Spatial perception** to visualize the relationship of moving trains to other objects, to judge distances and to visualize the proper functioning of train and track systems
- **Manual dexterity** to move controls in response to visual signals when switching cars
- **Objective interest in operating** locomotives to switch, couple and uncouple cars for loading and unloading
- **Methodical interest in speaking – signalling** to perform switching operations according to written switching orders and dispatched instructions
- **Innovative interest in compiling** information to inspect locomotives, replenish fuel and perform routine maintenance on locomotives

## Physical Activities

### Vision

- 4 Total visual field

### Colour Discrimination

- 1 Relevant

### Hearing

- 3 Other sound discrimination

### Body Position

- 1 Sitting

### Limb Co-ordination

- 2 Multiple limb co-ordination

### Strength

- 2 Light

## Environmental Conditions

### Location

- L3 Outside
- L4 In a vehicle or cab

### Discomforts

- D1 Noise
- D2 Vibration

## Employment Requirements

### Education/Training

- 3, 4

- Completion of secondary school is usually required.
- Experience as a conductor may be required for yard locomotive engineers.
- Experience as a railway yard worker may be required for yard locomotive engineers.

## Workplaces/Employers

Industrial and commercial users of rail transport

Railway transport companies

## Occupational Options

Mobility between railway transport companies or between establishments employing locomotive engineers may be limited due to seniority provisions of collective agreements.

## Similar Occupations Classified Elsewhere

Subway and light rail transit operators (in 7412 *Bus Drivers and Subway and Other Transit Operators*)

*Supervisors, Railway Transport Operations* (7221)

Train dispatchers (in 2275 *Railway Traffic Controllers and Marine Traffic Regulators*)

# 7362.1 Railway Conductors

Railway conductors co-ordinate and supervise the activities of passenger and freight train crew.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	3	4	4	4	3	4	4	4

### INTERESTS

DMs

### DATA PEOPLE THINGS (DPT)

337

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
3	0	2	3	0	1

### ENVIRONMENTAL CONDITIONS (EC)

L1, L4

### EDUCATION/TRAINING

4, R

## Examples of Job Titles

freight train conductor  
passenger train conductor  
railway conductor  
train conductor

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to understand orders, operating procedures and regulations, and to communicate with train crews by radio, signals and other means to give and receive train operation information
- **Verbal ability** to receive orders and explain them to brakemen/women, locomotive engineers and other crew members, and to announce approaching train stops
- **Clerical perception** to prepare train run reports
- **Directive interest in supervising** the activities of passenger and freight train crew members (except locomotive engineers) to ensure that trains run according to schedules, orders and operating rules
- **Methodical interest in compiling** information to schedule and co-ordinate the activities of passenger and freight train crews
- **Social interest in handling** money to collect fares on passenger trains and in answering passenger inquiries



## Physical Activities

**Vision**  
3 Near and far vision

**Colour Discrimination**  
0 Not relevant

**Hearing**  
2 Verbal interaction

**Body Position**  
3 Sitting, standing, walking

**Limb Co-ordination**  
0 Not relevant

**Strength**  
1 Limited

## Environmental Conditions

**Location**  
L1 Regulated inside climate  
L4 In a vehicle or cab

## Employment Requirements

Education/Training  
4, R

- Completion of secondary school is usually required.
- Experience as a brakeman/woman is required for conductors.
- Railway conductors require a Canadian Rail Operating Rules certificate.

## Workplaces/Employers

Railway transport companies

## Occupational Options

With experience, railway conductors may progress to locomotive engineers.

## Similar Occupations Classified Elsewhere

*Railway and Yard Locomotive Engineers (7361)*

*Supervisors, Railway Transport Operations (7221)*

# 7362.2 Brakemen/women

Brakemen/women check train brakes and other systems and equipment before train departures, and assist railway conductors in activities en route.

## Profile Summary

APTITUDES								
G	V	N	S	P	Q	K	F	M
3	4	4	4	4	4	4	4	3
INTERESTS								
OMi								
DATA PEOPLE THINGS (DPT)								
564								
PHYSICAL ACTIVITIES (PA)								
V	C	H	B	L	S			
4	1	3	4	2	3			
ENVIRONMENTAL CONDITIONS (EC)								
L1, L3, L4, H3, D1								
EDUCATION/TRAINING								
4, R								

## Examples of Job Titles

brakeman/woman  
front-end brakeman/woman  
road freight brakeman/woman  
tail-end brakeman/woman

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to understand orders received from traffic controllers, to observe signals and track conditions and to open and close track switches
- **Manual dexterity** to check systems and equipment, such as air conditioning and heating systems, brakes and brake hoses, before departure
- **Objective interest in operating** equipment to make minor repairs to couplings, air hoses and wheel-bearing boxes; and in setting and releasing hand brakes, connecting air brake hoses, and in coupling and switching passenger and freight cars
- **Methodical interest in copying** information to check systems and equipment such as air conditioning and heating systems, brakes and brake hoses before departure
- **Innovative interest in speaking – signalling** to communicate with train crews by radio, signals and other means to aid operations, and to assist in collecting fares and in helping passengers on and off trains

## Physical Activities

### Vision

- 4 Total visual field

### Colour Discrimination

- 1 Relevant

### Hearing

- 3 Other sound discrimination

### Body Position

- 4 Other body positions

### Limb Co-ordination

- 2 Multiple limb co-ordination

### Strength

- 3 Medium

## Environmental Conditions

### Location

- L1 Regulated inside climate
- L3 Outside
- L4 In a vehicle or cab

### Hazards

- H3 Equipment, machinery, tools

### Discomforts

- D1 Noise

## Employment Requirements

### Education/Training

- 4, R

- Completion of secondary school is usually required.
- Experience as a railway worker is usually required for brakemen/women.
- Brakemen/women require a Canadian Rail Operating Rules certificate.

## Workplaces/Employers

Railway transport companies

## Occupational Options

With experience, brakemen/women may progress to railway conductors.

## Similar Occupations Classified Elsewhere

*Railway and Yard Locomotive Engineers (7361)*

*Supervisors, Railway Transport Operations (7221)*

# 7371 Crane Operators

Crane operators use cranes and draglines to lift, move, position and place machinery, equipment and other large objects at construction and industrial sites, ports, railway yards, surface mines and other locations.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	4	5	3	4	4	3	4	3

### INTERESTS

OMi

### DATA PEOPLE THINGS (DPT)

583

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
4	0	1	1	2	2

### ENVIRONMENTAL CONDITIONS (EC)

L4, H8, D1

### EDUCATION/TRAINING

4, 5, R

## Examples of Job Titles

- boom truck crane operator
- bridge crane operator
- climbing crane operator
- construction crane operator
- crane operator
- dragline crane operator
- gantry crane operator
- hoist operator (except underground mining)
- mobile crane operator
- tower crane operator
- tractor crane operator

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to operate mobile and tower cranes to lift, move, position and place equipment and materials
- **Spatial perception** to visualize the relative positions of objects and materials being moved
- **Motor co-ordination and manual dexterity** to operate cranes equipped with dredging attachments to dredge waterways and other areas, and to operate pile-driving cranes to drive pilings into earth to provide support for buildings and other structures; may assemble tower cranes on site
- **Objective interest in operating** gantry cranes to load and unload ship cargo at port side; locomotive cranes to move objects and materials at railway yards; bridge and overhead cranes to lift, move and place plant machinery and materials; offshore oil-rig cranes to unload and reload supply vessels; and dragline cranes to expose coal seams and ore deposits at open pit mines
- **Methodical interest in copying** information to calculate crane capacities and weights to prepare for rigging and hoisting; and in performing routine maintenance work such as cleaning and lubricating cranes
- **Innovative interest** in performing pre-operational inspections to lift, move and place equipment and materials using cranes mounted on boats and barges

## Physical Activities

**Vision**  
4 Total visual field

**Colour Discrimination**  
0 Not relevant

**Hearing**  
1 Limited

**Body Position**  
1 Sitting

**Limb Co-ordination**  
2 Multiple limb co-ordination

**Strength**  
2 Light

## Environmental Conditions

**Location**  
L4 In a vehicle or cab

**Hazards**  
H8 Dangerous locations

**Discomforts**  
D1 Noise

## Employment Requirements

**Education/Training**  
4, 5, R

- Completion of secondary school is usually required.
- Completion of a one- to three-year apprenticeship program *or* high school, college or industry courses in crane operating are usually required.

- Trade certification as a hoist operator is compulsory in Quebec and available, but voluntary, in Saskatchewan.
- Boom truck crane operator trade certification is compulsory in Manitoba and Alberta and available, but voluntary, in Saskatchewan, British Columbia, Nunavut and the Northwest Territories.
- Mobile crane operator (8-15 tons) trade certification is compulsory in Ontario and available, but voluntary, in New Brunswick.
- Tower crane operator trade certification is compulsory in Ontario, Manitoba and Alberta, and is available, but voluntary, in Newfoundland and Labrador, Saskatchewan and British Columbia.
- Trade certification as a hoist operator (hydraulic crane) is available, but voluntary, in Saskatchewan and British Columbia.
- Mobile crane operator trade certification is compulsory in Quebec, Ontario, Manitoba and Alberta and available, but voluntary, in all other provinces, Nunavut and the Northwest Territories.
- Mobile crane operators may require a provincial licence to drive mobile cranes on public roads.
- Internal company certification as a crane operator may be required by some employers.
- Interprovincial trade certification (Red Seal) is also available to mobile crane operators.

## Workplaces/Employers

Cargo handlers  
Construction companies  
Industrial companies  
Mining companies  
Railway companies

## Occupational Options

Progression to supervisory positions is possible with experience.

Red Seal trade certification for mobile crane operators allows for interprovincial mobility.

## Similar Occupations Classified Elsewhere

*Heavy Equipment Operators (Except Crane) (7421)*

Hoist operators – underground mining (in 8231 *Underground Mine Service and Support Workers*)

Supervisors of crane operators (in 7271 *Contractors and Supervisors, Heavy Construction Equipment Crews*)

# 7372.1 Drillers – Surface Mining, Quarrying and Construction

Drillers in this group operate mobile drilling machines to bore blast holes in open-pit mines and quarries and to bore holes for blasting and for building foundations at construction sites.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	4	4	3	4	4	3	4	3

### INTERESTS

OMi

### DATA PEOPLE THINGS (DPT)

582

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
4	1	1	4	2	3

### ENVIRONMENTAL CONDITIONS (EC)

L3, L4, H3, H6, H8, D1, D2, D4

### EDUCATION/TRAINING

3, 4

## Examples of Job Titles

driller, construction  
foundation drill operator  
open-pit driller  
rotary drilling machine operator

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to operate machines to drill blast holes in rock at road and other construction sites
- **Spatial perception** to visualize positioning of drilling equipment, the locations of drill bits in drill holes, and the nature of rock formations penetrated
- **Motor co-ordination** and **manual dexterity** to drive and operate tracked and truck-mounted drills equipped with augers and other attachments to drill holes for building foundations and pilings
- **Objective interest** in **controlling** the operation of tracked and truck-mounted rotary drills, air-track drills and other drilling machines to bore large blast holes to specified depths at staked positions in open-pit mines and quarries
- **Methodical interest** in **copying** information to scale loose rock from walls, remove dust, install roof bolts and timbers, and clear broken rock from drilling areas as safety precautions; may measure locations and stake out patterns of holes to be drilled, load blast holes with explosives and detonate explosives to dislodge coal, ore and rock
- **Innovative interest** in servicing drilling equipment and making minor repairs



## Physical Activities

**Vision**  
4 Total visual field

**Colour Discrimination**  
1 Relevant

**Hearing**  
1 Limited

**Body Position**  
4 Other body positions

**Limb Co-ordination**  
2 Multiple limb co-ordination

**Strength**  
3 Medium

## Environmental Conditions

**Location**  
L3 Outside  
L4 In a vehicle or cab

**Hazards**  
H3 Equipment, machinery, tools  
H6 Flying particles, falling objects  
H8 Dangerous locations

**Discomforts**  
D1 Noise  
D2 Vibration  
D4 Non-toxic dusts

## Employment Requirements

Education/Training  
3, 4

- Completion of secondary school is usually required.
- On-the-job training is provided.
- Experience as a heavy equipment operator may be required for drillers.

## Workplaces/Employers

Drilling and blasting contractors  
Mining, quarrying and construction companies

## Occupational Options

Progression to supervisory positions is possible with experience.

Drillers often perform both drilling and blasting activities.

## Similar Occupations Classified Elsewhere

Oil and gas well drillers (in 8232 *Oil and Gas Well Drillers, Servicers, Testers, and Related Workers*)

Supervisors of construction drillers and blasters (in 7217 *Contractors and Supervisors, Heavy Construction Equipment Crews*)

Supervisors of surface mining drillers and blasters (in 8221 *Supervisors, Mining and Quarrying*)

Underground mine drillers and blasters (in 8231 *Underground Production and Development Miners*)

*Water Well Drillers (7373)*



# 7372.2 Blasters – Surface Mining, Quarrying and Construction

Blasters in this group fill blast holes with explosives and detonate explosives to dislodge coal, ore and rock and to demolish structures.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	4	4	3	3	4	3	3	3

### INTERESTS

OID

### DATA PEOPLE THINGS (DPT)

261

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
3	1	2	4	1	3

### ENVIRONMENTAL CONDITIONS (EC)

L3, H1, H6, H8, D1, D4

### EDUCATION/TRAINING

3, 4, R

## Examples of Job Titles

blaster – surface mining

blaster, construction

open-pit blaster

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to understand and apply the principles, techniques and safety regulations that apply to the use, handling and firing of explosives
- **Spatial and form perception** to read instructions and diagrams, to lay out drill patterns and to determine depth and diameter of blast holes

- **Motor co-ordination and finger and manual dexterity** to load explosives in blast holes by hand, to press handles or buttons to detonate charges, to handle, store and transport explosives and accessories according to regulations, and to ensure that safety procedures are followed

- **Objective interest in precision working** to connect electrical wires, detonating cords and fuses into series, and to connect the series to blasting machines; may operate air-track, rotary, down-the-hole and other drilling machines

- **Innovative interest in analyzing** information to conduct field tests to determine the type and quantity of explosives required
- **Directive interest in speaking – signalling** to direct workers in assembling primer charges using selected detonators, fuses, detonating cords and other materials, and to direct bulk-explosive trucks to load holes; may direct drilling of blast holes

## Physical Activities

**Vision**  
3 Near and far vision

**Colour Discrimination**  
1 Relevant

**Hearing**  
2 Verbal interaction

**Body Position**  
4 Other body positions

**Limb Co-ordination**  
1 Upper limb co-ordination

**Strength**  
3 Medium

## Environmental Conditions

**Location**  
L3 Outside

**Hazards**  
H1 Dangerous chemical substances  
H6 Flying particles, falling objects  
H8 Dangerous locations

**Discomforts**  
D1 Noise  
D4 Non-toxic dusts

## Employment Requirements

**Education/Training**  
3, 4, R

- Completion of secondary school is usually required.
- On-the-job training is provided.
- Experience as a blaster helper in surface mining and quarrying or construction may be required for blasters.
- Provincial blasting licence is usually required for blasters.
- Trade certification for blasters is available, but voluntary, in New Brunswick.

## Workplaces/Employers

Drilling and blasting contractors  
Mining, quarrying and construction companies

## Occupational Options

Progression to supervisory positions is possible with experience.

Blasters often perform both drilling and blasting activities.

## Similar Occupations Classified Elsewhere

Oil and gas well drillers (in 8232 *Oil and Gas Well Drillers, Servicers, Testers, and Related Workers*)

Supervisors of construction drillers and blasters (in 7217 *Contractors and Supervisors, Heavy Construction Equipment Crews*)

Supervisors of surface mining drillers and blasters (in 8221 *Supervisors, Mining and Quarrying*)

Underground mine drillers and blasters (in 8231 *Underground Production and Development Miners*)

*Water Well Drillers (7373)*

# 7373 Water Well Drillers

Water well drillers operate a variety of mobile water well drilling rigs and equipment to drill and monitor residential, commercial and industrial water wells.

## Profile Summary

APTITUDES								
G	V	N	S	P	Q	K	F	M
3	3	4	3	4	4	3	4	3
INTERESTS								
OMi								
DATA PEOPLE THINGS (DPT)								
662								
PHYSICAL ACTIVITIES (PA)								
V	C	H	B	L	S			
3	0	2	4	2	3			
ENVIRONMENTAL CONDITIONS (EC)								
L3, H3, D1, D2, D5								
EDUCATION/TRAINING								
4+, 5, R								

## Examples of Job Titles

- cable tool driller – water well drilling
- churn drill operator – water well drilling
- water well driller
- water well driller apprentice

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to install, test, maintain and repair water well pumps, piping systems and equipment, and to perform pumping tests for assessing well performance; may provide other drilling services such as repair and dismantling of existing water well structures, and drilling elevator shafts and hydro pole holes
- **Verbal ability** to document geological formations encountered
- **Spatial perception** to visualize the positioning of drilling equipment
- **Motor co-ordination and manual dexterity** to operate controls of water well drilling equipment
- **Objective interest in controlling** water well drilling rigs and other equipment to drill, bore and dig for residential, commercial and industrial water wells or environmental assessment; and to install well screens, casings and other well fixtures
- **Methodical interest in comparing** information to perform routine maintenance work on water well drilling rigs and equipment; and in cleaning and disinfecting wells in preparation for use
- **Innovative interest in speaking** to review client needs and proposed locations for water wells

## Physical Activities

**Vision**  
3 Near and far vision

**Colour Discrimination**  
0 Not relevant

**Hearing**  
2 Verbal interaction

**Body Position**  
4 Other body positions

**Limb Co-ordination**  
2 Multiple limb co-ordination

**Strength**  
3 Medium

## Environmental Conditions

**Location**  
L3 Outside

**Hazards**  
H3 Equipment, machinery, tools

**Discomforts**  
D1 Noise  
D2 Vibration  
D5 Wetness

## Employment Requirements

**Education/Training**  
4+, 5, R

- Completion of secondary school is usually required.
- Completion of a two- to three-year water well drilling apprenticeship program *or* two to three years of work experience in the trade combined with college or industry courses in water well drilling is usually required to be eligible for trade certification.
- Trade certification is available, but voluntary, in New Brunswick, Saskatchewan, Alberta and British Columbia.

## Workplaces/Employers

Governments

Self-employment

Water well drilling contractors

## Occupational Options

Mobility is possible among the various well drilling occupations in this group.

Progression to supervisory positions is possible with experience.

## Similar Occupations Classified Elsewhere

Drillers – underground mining (in 8231 *Underground Production and Development Miners*)

*Oil and Gas Well Drillers, Servicers, Testers and Related Workers* (8232)

Surface mining, quarrying and construction drillers (in 7372 *Drillers and Blasters – Surface Mining, Quarrying and Construction*)

Water well drilling contractors and supervisors of water well drillers (in 7217 *Contractors and Supervisors, Heavy Construction Equipment Crews*)

## Remarks

Water well drillers may specialize in a specific method of drilling such as cable, rotary, auger, hammer or reverse circulation drilling.

# 7381     Printing Press Operators

Printing press operators set up and operate sheet and web-fed presses to print illustrations, designs and text on paper, plastic, sheet metal and other material.

</

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to understand and operate sheet and web-fed presses to print illustrations and text
- **Motor co-ordination and manual dexterity** to mount plates and cylinders, to make necessary adjustments and to set up presses
- **Finger dexterity** to fill ink fountains and make measurements, adjustments and settings to control colour and viscosity
- **Methodical interest in comparing** information to monitor regular press runs for quality consistency using computer control consoles, to make adjustments, and to check samples for ink coverage, alignment and registration; and in removing and cleaning plates at the end of press runs
- **Objective interest in setting up** and adjusting in-line binding and finishing equipment
- **Directive interest in speaking** with press crew to direct their activities and ensure that safety procedures are adhered to; and in reviewing job orders to determine job specifications, such as production time, colour sequence and quantities required, and in advising press crew of job specifications

---

**Physical Activities**


---

**Vision**

- 2 Near vision

**Colour Discrimination**

- 1 Relevant

**Hearing**

- 2 Verbal interaction

**Body Position**

- 4 Other body positions

**Limb Co-ordination**

- 1 Upper limb co-ordination

**Strength**

- 3 Medium

---

**Environmental Conditions**


---

**Location**

- L1 Regulated inside climate

**Discomforts**

- D1 Noise
- D3 Odours

---

**Employment Requirements**


---

**Education/Training**

4, 5, 6, R

- Completion of secondary school is usually required.
- Completion of a college program in printing technology  
*or*  
a four-year apprenticeship program in printing  
*or*  
a combination of on-the-job training and specialized high school, college or industry courses is usually required.
- Trade certification is available, but voluntary, in Ontario, Alberta, Nunavut and the Northwest Territories.

---

**Workplaces/Employers**


---

Commercial printing companies

In-house printing departments of private and public sector establishments

Publishing and printing companies

---

**Occupational Options**


---

Progression to supervisory positions, such as pressroom supervisor, is possible with experience.

---

**Similar Occupations Classified Elsewhere**


---

*Binding and Finishing Machine Operators* (9473)

Operators of laser printers, colour and large copier and printing machines (in 9471 *Printing Machine Operators*)

Screen printing artisans (in 5244 *Artisans and Craftspersons*)

*Supervisors, Printing and Related Occupations* (7218)

Textile printers (in 9443 *Textile Dyeing and Finishing Machine Operators*)



# 7382 Commercial Divers

Commercial divers perform underwater activities related to construction, inspection, search, salvage, repair and photography.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	3	4	3	3	5	3	3	3

### INTERESTS

OIM

### DATA PEOPLE THINGS (DPT)

364

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
4	1	3	4	2	4

### ENVIRONMENTAL CONDITIONS (EC)

L3, H1, H3, H6, H8, D5

### EDUCATION/TRAINING

5+, R

## Examples of Job Titles

commercial diver  
diver  
offshore diver  
skin diver, commercial  
underwater contractor  
underwater welder  
underwater worker

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to perform offshore oil and gas exploration and extraction duties such as underwater surveys, nondestructive testing, blasting, and construction, and repair and maintenance of drill rigs and platforms; may supervise and train other divers
- **Spatial and form perception** to inspect vessels, buoyage systems, pipelines, sluice gates, plant intakes and outfalls and other materials, both visually and by nondestructive testing
- **Motor co-ordination and manual dexterity** to perform construction duties such as welding and installing pilings for cofferdams and footings for piers, and to maintain these and other structures, such as dry docks, breakwaters, marine ways and bridge foundations, using hand tools, power tools and pneumatic equipment
- **Objective interest in operating** underwater video, sonar, recording and related equipment for scientific and exploratory purposes; and in operating winches, derricks and cranes to manipulate cables and chains to raise sunken objects
- **Innovative interest in speaking – signalling** to participate in underwater search and rescue, salvage, recovery and clean up operations
- **Methodical interest in compiling** information to check and maintain diving equipment such as helmets, masks, air tanks, harnesses, gauges, air compressors, diving suits, underwater cutting torches and welding equipment; and in setting up and detonating explosives to remove obstructions and break up or refloat submerged objects



---

**Physical Activities**


---

**Vision**

- 4 Total visual field

**Colour Discrimination**

- 1 Relevant

**Hearing**

- 3 Other sound discrimination

**Body Position**

- 4 Other body positions

**Limb Co-ordination**

- 2 Multiple limb co-ordination

**Strength**

- 4 Heavy
- 

**Environmental Conditions**


---

**Location**

- L3 Outside

**Hazards**

- H1 Dangerous chemical substances
  - H3 Equipment, machinery, tools
  - H6 Flying particles, falling objects
  - H8 Dangerous locations
- 

**Discomforts**

- D5 Wetness

---

**Employment Requirements**


---

**Education/Training**

5+, R

- Completion of secondary school education is usually required.
- Completion of a recognized commercial diving school program is required.
- Military or police diving experience may be required.
- Certification of competency for divers is required.
- A provincial blaster's licence is usually required for the setting and detonation of explosives.
- A diving medical examination from an approved hyperbaric physician is required.

---

**Workplaces/Employers**


---

Commercial diving contractors

Oil and gas companies with offshore operations

Shipping and marine construction companies

---

**Similar Occupations Classified Elsewhere**


---

Police divers (in 6261 *Police Officers (Except Commissioned)*)

*Welders and Related Machine Operators* (7265)

# 7383.1 Gunsmiths

Gunsmiths repair, service, modify, calibrate and fabricate firearms.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	4	4	3	3	4	3	3	3

### INTERESTS

OIM

### DATA PEOPLE THINGS (DPT)

261

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
1	0	2	1	1	2

### ENVIRONMENTAL CONDITIONS (EC)

L1, H3

### EDUCATION/TRAINING

4+, 5, R

## Examples of Job Titles

gunsmith  
small arms repairer

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to fabricate, repair and modify firearms
- **Spatial** and **form perception** to read blueprints and interpret customers' specifications when fabricating and repairing firearms
- **Motor co-ordination** and **finger** and **manual dexterity** to use hand and power tools such as chisels, files, scrapers and broaching and grinding machines to fabricate, repair and finish firearms
- **Objective interest** in **precision working** to assemble parts, attach and adjust sights, and test completed firearms to determine strength characteristics, correct alignment and assembly
- **Innovative interest** in **analyzing** information to examine and repair parts of guns such as barrels, firing mechanisms, sights and stocks
- **Methodical interest** in **speaking** with customers to determine specifications when fabricating and repairing firearms

## Physical Activities

### Vision

- 1 Close visual acuity

### Colour Discrimination

- 0 Not relevant

### Hearing

- 2 Verbal interaction

### Body Position

- 1 Sitting

### Limb Co-ordination

- 1 Upper limb co-ordination

### Strength

- 2 Light

## Environmental Conditions

### Location

- L1 Regulated inside climate

### Hazards

- H3 Equipment, machinery, tools

## Employment Requirements

### Education/Training

4+, 5, R

- Completion of secondary school is usually required.
- Completion of a two- to four-year apprenticeship program in a relevant trade  
*or*  
college, high school or industry courses combined with several years of related work experience  
*or*  
several years of on-the-job training are required.
- Provincial trade certification or licence in a relevant trade may be required for gunsmiths.

## Workplaces/Employers

Firearms fabrication and repair establishments

Self-employment

## Occupational Options

There is little or no mobility among occupations in the 7383 group.

Progression to supervisory positions is possible with experience.

## Similar Occupations Classified Elsewhere

*Other Repairers and Servicers (7445)*

*Other Small Engine and Equipment Mechanics (7335)*

# 7383.2 Locksmiths

Locksmiths repair, service, install, calibrate and fabricate locks and keys.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	3	4	3	3	4	3	3	3

### INTERESTS

OMi

### DATA PEOPLE THINGS (DPT)

281

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	0	1	4	1	2

### ENVIRONMENTAL CONDITIONS (EC)

L1, L3

### EDUCATION/TRAINING

4+, 5, R

## Examples of Job Titles

locksmith

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to repair, install and adjust locks, make keys and change lock combinations
- **Spatial perception** to visualize the placement of parts when installing and adjusting locks
- **Form perception** to perceive detail when detecting physical defects in worn and damaged tumblers, springs and other parts
- **Motor co-ordination** to insert new and repaired tumblers into locks to change combinations
- **Finger and manual dexterity** to cut new and duplicate keys using key-cutting machines
- **Objective interest in precision working** to manipulate lockpicks in cylinders to open jammed locks and locks without keys, and to fabricate parts
- **Methodical interest** in replacing worn and damaged parts by chiselling, filing, scraping and other tooling to correct dimensions
- **Innovative interest in analyzing** information to disassemble locks such as padlocks and door locks to locate defects

## Physical Activities

Vision  
2 Near vision

Colour Discrimination  
0 Not relevant

Hearing  
1 Limited

Body Position  
4 Other body positions

Limb Co-ordination  
1 Upper limb co-ordination

Strength  
2 Light

## Environmental Conditions

Location  
L1 Regulated inside climate  
L3 Outside

## Employment Requirements

Education/Training  
4+, 5, R

- Completion of secondary school is usually required.
- Completion of a two- to four-year locksmith apprenticeship  
*or*  
college, high school or industry courses combined with several years of related work experience  
*or*  
several years of on-the-job training are required.
- Trade certification for locksmiths is available, but voluntary, in Nova Scotia, Saskatchewan, Alberta, British Columbia, Nunavut and the Northwest Territories.
- Provincial trade certification or licence may be required for locksmiths.

## Workplaces/Employers

Lock service companies  
Self-employment

## Occupational Options

There is little or no mobility among occupations in the 7383 group.

Progression to supervisory positions is possible with experience.

## Similar Occupations Classified Elsewhere

*Other Repairers and Servicers (7445)*

*Other Small Engine and Equipment Mechanics (7335)*

# 7383.3 Recreation Vehicle Technicians

Recreation vehicle technicians service and repair recreational vehicles.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	3	4	3	3	4	3	3	3

### INTERESTS

OIM

### DATA PEOPLE THINGS (DPT)

261

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	1	2	4	1	3

### ENVIRONMENTAL CONDITIONS (EC)

L1, L3, H3

### EDUCATION/TRAINING

4+, 5, R

## Examples of Job Titles

recreation vehicle technician

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to repair and replace electrical wiring, plumbing, propane gas lines, appliances, windows, doors, cabinets and structural frames
- **Spatial perception** to visualize relationships and arrangements of parts in vehicle mechanisms and assemblies when repairing and replacing electrical wiring, plumbing and propane gas lines
- **Form perception** to detect defects when repairing and replacing damaged exterior panels and sealing leaks, and to install accessories such as air conditioners, windows, TV antennas and awnings
- **Motor co-ordination** to check for leaks in water, refrigeration and propane gas systems using pressure gauges, manometers and gas leak detectors
- **Finger and manual dexterity** to use materials such as insulating tape, electrical connectors, caulking compounds, copper and plastic piping and fittings, and to use hand and plumbing tools when repairing wiring, propane gas lines and plumbing
- **Objective interest in precision working** to inspect and test functional units, wiring, piping and components such as switches, electric motors and valves to determine specific repairs and replacements
- **Innovative interest in analyzing** information to disassemble and repair or replace stoves, heaters, pumps and other malfunctioning units, and to repair wiring and test electrical systems
- **Methodical interest in speaking** with owners to discuss nature of malfunctions and damages to assess extent of repairs required; and in inspecting new vehicles before delivery according to manufacturers' instructions and motor vehicle regulations

## Physical Activities

### Vision

- 2 Near vision

### Colour Discrimination

- 1 Relevant

### Hearing

- 2 Verbal interaction

### Body Position

- 4 Other body positions

### Limb Co-ordination

- 1 Upper limb co-ordination

### Strength

- 3 Medium

## Environmental Conditions

### Location

- L1 Regulated inside climate
- L3 Outside

### Hazards

- H3 Equipment, machinery, tools

## Employment Requirements

### Education/Training

4+, 5, R

- Completion of secondary school is usually required.
- Completion of a two- to four-year apprenticeship program in recreational vehicle mechanics  
*or*  
college, high school or industry courses combined with several years of related work experience  
*or*  
several years of on-the-job training are required.
- Trade certification for recreation vehicle technicians is compulsory in Alberta and available, but voluntary, in Newfoundland and Labrador, Prince Edward Island, Nova Scotia, New Brunswick, Quebec, British Columbia and the Yukon.
- Interprovincial trade certification (Red Seal) is also available to qualified recreation vehicle service technicians.

## Workplaces/Employers

Recreational vehicle repair shops

Self-employment

## Occupational Options

There is little or no mobility among occupations in the 7383 group.

Progression to supervisory positions is possible with experience.

Red Seal trade certification for recreation vehicle service technicians allows for interprovincial mobility.

## Similar Occupations Classified Elsewhere

*Automotive Service Technicians (732)*

*Motorcycle and Other Related Mechanics (7334)*

*Other Repairers and Servicers (7445)*

*Other Small Engine and Equipment Mechanics (7335)*



# 7383.4 Safe and Vault Servicers

Safe and vault servicers repair, service and install safes and vaults and calibrate and service locks and locking devices.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	4	4	3	4	4	3	3	3

### INTERESTS

OMi

### DATA PEOPLE THINGS (DPT)

581

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	0	1	4	1	4

### ENVIRONMENTAL CONDITIONS (EC)

L1, H3

### EDUCATION/TRAINING

4+, 5, R

## Examples of Job Titles

safe and vault servicer

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to install, repair and maintain safes and vaults in banks and other establishments
- **Spatial perception** to install vaults, vault doors, safes and deposit boxes in prepared vault shells according to blueprints
- **Motor co-ordination and finger and manual dexterity** to remove and repair vaults, safes and locking devices using hand tools, machines and equipment such as drill presses and welding and cutting apparatus
- **Objective interest in precision working** to adjust safe and vault combinations to obtain new number sequences
- **Methodical interest in copying** information to ensure locking devices operate according to set sequences, to remove interior and exterior paint finishes and spray on new finishes
- **Innovative interest** in testing and repairing locks and locking devices

## Physical Activities

**Vision**  
2 Near vision

**Colour Discrimination**  
0 Not relevant

**Hearing**  
1 Limited

**Body Position**  
4 Other body positions

**Limb Co-ordination**  
1 Upper limb co-ordination

**Strength**  
4 Heavy

## Environmental Conditions

**Location**  
L1 Regulated inside climate

**Hazards**  
H3 Equipment, machinery, tools

## Employment Requirements

Education/Training  
4+, 5, R

- Completion of secondary school is usually required.
- Completion of a two- to four-year program in a relevant trade  
*or*  
college, high school or industry courses combined with several years of related work experience  
*or*  
several years of on-the-job training are required.
- Provincial trade certification or licence in a relevant trade may be required for safe and vault servicers.

## Workplaces/Employers

Safe and vault service establishments  
Self-employment

## Occupational Options

There is little or no mobility among occupations in the 7383 group.

Progression to supervisory positions is possible with experience.

## Similar Occupations Classified Elsewhere

*Other Repairers and Servicers (7445)*

*Other Small Engine and Equipment Mechanics (7335)*

# 7383.5 Saw Fitters

Saw fitters repair and service saw blades.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	4	4	3	3	4	3	4	3

### INTERESTS

OMI

### DATA PEOPLE THINGS (DPT)

582

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	0	1	3	1	2

### ENVIRONMENTAL CONDITIONS (EC)

L1, H3, D1, D2

### EDUCATION/TRAINING

4+, 5, R

## Examples of Job Titles

saw fitter

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to repair, set and sharpen bandsaws, chainsaws, circular saws and other types of saw blades
- **Spatial** and **form perception** to fit and repair saw blades according to specifications
- **Motor co-ordination** and **manual dexterity** to straighten twists and kinks in blades using presses and hammers, and to adjust cutting widths of blades by setting teeth using special tools
- **Objective interest** in **controlling** presses and milling machines to cut teeth in blades; and in using power grinders and setting machines to sharpen and set blade teeth
- **Methodical interest** in **copying** information to ensure that saw blades conform to specifications using micrometers and other measuring instruments, and to adjust saw-filing machines to match blades with angles of saws being repaired and sharpened
- **Innovative interest** in repairing defective blades and welding new teeth to blades

## Physical Activities

### Vision

- 2 Near vision

### Colour Discrimination

- 0 Not relevant

### Hearing

- 1 Limited

### Body Position

- 3 Sitting, standing, walking

### Limb Co-ordination

- 1 Upper limb co-ordination

### Strength

- 2 Light

## Environmental Conditions

### Location

- L1 Regulated inside climate

### Hazards

- H3 Equipment, machinery, tools

### Discomforts

- D1 Noise
- D2 Vibration

## Employment Requirements

### Education/Training

4+, 5, R

- Completion of secondary school is usually required.
- Completion of a two- to four- year apprenticeship program in saw repair *or* college, high school or industry courses combined with several years of related work experience *or* several years of on-the-job training are required.
- Trade certification for sawfitters is available, but voluntary, in Alberta, British Columbia and the Yukon.

## Workplaces/Employers

Saw repair shops

Self-employment

## Occupational Options

There is little or no mobility among occupations in the 7383 group.

Progression to supervisory positions is possible with experience.

## Similar Occupations Classified Elsewhere

*Other Repairers and Servicers (7445)*

*Other Small Engine and Equipment Mechanics (7335)*

# 7411.1 Long-Haul Truck Drivers

Long-haul truck drivers operate heavy trucks to transport goods and materials over urban, interurban, provincial and international routes.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	4	4	3	4	4	3	4	3

### INTERESTS

MOD

### DATA PEOPLE THINGS (DPT)

563

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
4	1	2	1	2	3*

### ENVIRONMENTAL CONDITIONS (EC)

L4, H1\*, D1, D2

### EDUCATION/TRAINING

3, 4, R

## Examples of Job Titles

- bulk goods truck driver
- flatbed truck driver
- logging truck driver
- long-haul truck driver
- truck driver
- truck driver, heavy truck
- truck driver, tractor-trailer

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to operate and drive straight and articulated trucks to transport goods and materials
- **Spatial perception** to visualize relationship among own vehicle, other moving vehicles and stationary objects, and to judge speed and distance when manoeuvring vehicle in confined and congested areas
- **Motor co-ordination and manual dexterity** to manipulate controls and to respond rapidly in response to visual stimuli when operating levers, pedals, steering wheels and other controls, and to perform emergency roadside repairs
- **Methodical interest in copying** to record cargo information, distance travelled, fuel consumption and other information in log books or on on-board computers, and to obtain special permits and other documents required to transport cargo on international routes; and in performing pre-trip inspections of vehicle systems and equipment such as tires, lights, brakes, and cold storage
- **Objective interest in driving** straight and articulated trucks to transport goods and materials; may drive as part of a two-person team or convoy, and may transport hazardous products and dangerous goods
- **Directive interest in speaking** to communicate with dispatchers and other drivers using citizens' band (CB) radios, cellular telephones and on-board computers; and in overseeing all aspects and functions of vehicle such as condition of equipment, loading and unloading, and safety and security of cargo

## Physical Activities

Vision  
4 Total visual field

Colour Discrimination  
1 Relevant

Hearing  
2 Verbal interaction

Body Position  
1 Sitting

Limb Co-ordination  
2 Multiple limb co-ordination

Strength  
3\* Medium

## Environmental Conditions

Location  
L4 In a vehicle or cab

Hazards  
H1\* Dangerous chemical substances

Discomforts  
D1 Noise  
D2 Vibration

## Employment Requirements

Education/Training  
3, 4, R

- Completion of secondary school is usually required.
- On-the-job training is provided.
- A Class 3 or D licence is required to drive straight trucks.
- A Class 1 or A licence is required to drive articulated trucks.
- Air brake endorsement (Z) is required for drivers who operate vehicles equipped with air brakes.
- Transportation of dangerous goods (TDG) certification is required for drivers who transport hazardous products or dangerous goods.

## Workplaces/Employers

Employment service agencies  
Manufacturing and distribution companies  
Moving companies  
Self-employment  
Transportation companies

## Occupational Options

Progression to supervisory positions or to non-driving occupations, such as driver trainers, safety officers or truck dispatchers is possible with additional training or experience.

## Similar Occupations Classified Elsewhere

Drivers of light trucks (in 7414 *Delivery and Courier Service Drivers*)

Snowplough and garbage truck drivers (in 7422 *Public Works Maintenance Equipment Operators*)

*Supervisors, Motor Transport and Other Ground Transit Operators (7222)*

Truck dispatchers (in 1475 *Dispatchers and Radio Operators*)

Truck driver trainers (in 4131 *College and Other Vocational Instructors*)

## Remarks

\*Physical Activities

- For some occupations in this group, **Strength 4 (Heavy)** may also apply.

\*Environmental Conditions

- For some occupations in this group, **Hazards H1 (Dangerous chemical substances)** may also apply.



# 7411.2 Line-Haul and Local Truck Drivers

Line-haul and local truck drivers operate heavy trucks to transport goods and materials over urban and short interurban routes.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	4	4	3	4	4	3	4	3

### INTERESTS

MOd

### DATA PEOPLE THINGS (DPT)

563

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
4	1	2	1	2	3*

### ENVIRONMENTAL CONDITIONS (EC)

L4, H1\*, D1, D2

### EDUCATION/TRAINING

3, 4, R

## Examples of Job Titles

cement truck driver  
dump truck driver  
gravel truck driver  
hydrovac truck operator  
line-haul driver  
moving van driver  
tow truck driver  
truck driver

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to operate and drive straight trucks to transport goods and materials over urban and short interurban routes; may drive lighter, special purpose trucks such as a tow trucks, dump trucks, hydrovac trucks and cement mixing trucks
- **Spatial perception** to visualize relationship among own vehicle, other moving vehicles and stationary objects, and to judge speed and distance when manoeuvring vehicle in confined and congested areas
- **Motor co-ordination and manual dexterity** to manipulate controls and to respond rapidly in response to visual stimuli when operating levers, pedals, steering wheels and other controls
- **Methodical interest** in **copying** to record cargo information, distance travelled, fuel consumption and other information in log books; and to perform pre-trip inspection of vehicle systems and equipment such as tires, lights, brakes, and cold storage
- **Objective interest** in **driving** straight trucks to transport goods and materials; may drive as part of a two-person team or convoy, and may transport hazardous products and dangerous goods
- **Directive interest** in **speaking** with others to oversee all aspects of vehicles such as condition of equipment, loading and unloading, and safety and security of cargo, as well as to communicate with dispatchers



## Physical Activities

**Vision**  
4 Total visual field

**Colour Discrimination**  
1 Relevant

**Hearing**  
2 Verbal interaction

**Body Position**  
1 Sitting

**Limb Co-ordination**  
2 Multiple limb co-ordination

**Strength**  
3\* Medium

## Environmental Conditions

**Location**  
L4 In a vehicle or cab

**Hazards**  
H1\* Dangerous chemical substances

**Discomforts**  
D1 Noise  
D2 Vibration

## Employment Requirements

**Education/Training**  
3, 4, R

- Completion of secondary school is usually required.
- On-the-job training is provided.
- A Class 3 or D licence is required to drive straight trucks.
- Air brake endorsement (Z) is required for drivers who operate vehicles equipped with air brakes.
- Transportation of dangerous goods (TDG) certification is required for drivers who transport hazardous products or dangerous goods.

## Workplaces/Employers

Employment service agencies  
Manufacturing and distribution companies  
Moving companies  
Self-employment  
Transportation companies

## Occupational Options

Progression to supervisory positions or to non-driving occupations, such as driver trainers, safety officers or truck dispatchers is possible with additional training or experience.

## Similar Occupations Classified Elsewhere

Drivers of light trucks (in 7414 *Delivery and Courier Service Drivers*)

Snowplough and garbage truck drivers (in 7422 *Public Works Maintenance Equipment Operators*)

*Supervisors, Motor Transport and Other Ground Transit Operators (7222)*

Truck dispatchers (in 1475 *Dispatchers and Radio Operators*)

Truck driver trainers (in 4131 *College and Other Vocational Instructors*)

## Remarks

\*Physical Activities

- For some occupations in this group, **Strength 4 (Heavy)** may apply.

\*Environmental Conditions

- For some occupations in this group, **Hazards H1 (Dangerous chemical substances)** may also apply.

# 7412.1 Bus and Streetcar Drivers

Bus and streetcar drivers transport passengers on established routes.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	4	4	3	4	4	3	4	3

### INTERESTS

OMS

### DATA PEOPLE THINGS (DPT)

563

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
4	1	2	1	2	2*

### ENVIRONMENTAL CONDITIONS (EC)

L4, D1, D2

### EDUCATION/TRAINING

2+, R

## Examples of Job Titles

bus driver  
ground transportation driver  
motor coach driver  
sightseeing tour driver  
streetcar operator  
transit operator

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to drive buses and streetcars to transport passengers along established routes to local destinations
- **Spatial perception** to visualize relationship among own vehicle and other moving vehicles and stationary objects and to judge speeds and distances accurately
- **Motor co-ordination** and **manual dexterity** to make rapid and accurate movements when manipulating bus and vehicle controls, and to aid passengers in boarding; may load and unload passengers' luggage
- **Objective interest** in **driving** buses and buses equipped for wheelchair accessibility, streetcars and intercity and sightseeing tour and charter buses to transport passengers along established routes, locally and over long distances; and in driving buses to transport passengers and cargo to intercity and long-distance destinations
- **Methodical interest** in **copying** information to report delays, mechanical problems and accidents; and in collecting fares, issuing transfers, checking bus passes and recording transactions
- **Social interest** in **speaking** with passengers to provide information on fares, schedules and stops; may provide passengers with information on points of interest during trips

## Physical Activities

### Vision

- 4 Total visual field

### Colour Discrimination

- 1 Relevant

### Hearing

- 2 Verbal interaction

### Body Position

- 1 Sitting

### Limb Co-ordination

- 2 Multiple limb co-ordination

### Strength

- 2\* Light

## Environmental Conditions

### Location

- L4 In a vehicle or cab

### Discomforts

- D1 Noise
- D2 Vibration

## Employment Requirements

Education/Training  
2+, R

- Completion of secondary school may be required.
- Up to three months of on-the-job training, including classroom instruction, is usually provided.
- A minimum of one year of safe driving experience is required.
- Bus drivers require a Class B, C, E or F driver's licence in Ontario, and a Class 2 driver's licence elsewhere.
- An air brakes endorsement (Z) and first aid certificate may be required.

## Workplaces/Employers

Private transportation companies

Urban transit systems

## Occupational Options

Progression to subway and light rail transit operators and transit supervisory or inspector positions is possible with experience.

## Similar Occupations Classified Elsewhere

Supervisors and inspectors of bus drivers, subway operators and other transit operators (in 7222 *Supervisors, Motor Transport and Other Ground Transit Operators*)

## Remarks

\*Physical Activities

- For some occupations in this group, Strength 3 (Medium) may also apply.

# 7412.2 School Bus Drivers

School bus drivers transport students by bus on established routes to and from schools.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	4	4	3	4	4	3	4	3

### INTERESTS

OMS

### DATA PEOPLE THINGS (DPT)

563

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
4	1	1	1	2	2

### ENVIRONMENTAL CONDITIONS (EC)

L4, D1, D2

### EDUCATION/TRAINING

2+, R

## Examples of Job Titles

bus driver  
school bus driver

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to operate buses and understand and apply motor vehicle safety regulations
- **Spatial perception** to visualize relationship among own vehicle and other moving vehicles and stationary objects and to judge speeds and distances accurately
- **Motor co-ordination and manual dexterity** to make rapid and accurate movements when manipulating bus controls
- **Objective interest in driving** school buses to transport children to and from schools and on excursions
- **Methodical interest in copying** information to record delays; and in inspecting buses for cleanliness before departures
- **Social interest in speaking** to ensure children's safety when boarding buses, en route, leaving buses and crossing streets while buses are stopped

## Physical Activities

**Vision**  
4 Total visual field

**Colour Discrimination**  
1 Relevant

**Hearing**  
1 Limited

**Body Position**  
1 Sitting

**Limb Co-ordination**  
2 Multiple limb co-ordination

**Strength**  
2 Light

## Environmental Conditions

**Location**  
L4 In a vehicle or cab

**Discomforts**  
D1 Noise  
D2 Vibration

## Employment Requirements

Education/Training  
2+, R

- Completion of secondary school may be required.
- Up to three months of on-the-job training, including classroom instruction, is usually provided.
- A minimum of one year of safe driving experience is required.
- Bus drivers require a Class B, C, E or F driver's licence in Ontario, and a Class 2 driver's licence elsewhere.

## Workplaces/Employers

Elementary and secondary schools  
Private transportation companies

## Occupational Options

Progression to transit supervisory or inspector positions is possible with experience.

## Similar Occupations Classified Elsewhere

Supervisors and inspectors of bus drivers, subway operators and other transit operators (in 7222 *Supervisors, Motor Transport and Other Ground Transit Operators*)

# 7412.3 Subway Train and Light Rail Transit Operators

Subway train and light rail transit operators transport passengers on established routes.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	4	4	4	4	4	3	4	3

### INTERESTS

OMs

### DATA PEOPLE THINGS (DPT)

563

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
4	1	1	1	1	1

### ENVIRONMENTAL CONDITIONS (EC)

L4, D1, D2

### EDUCATION/TRAINING

2+, R

## Examples of Job Titles

light rail transit operator

subway train operator

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to understand and apply knowledge and skills needed to operate subway trains and light rail transit vehicles
- **Motor co-ordination** and **manual dexterity** to operate controls that open and close vehicle doors
- **Objective interest** in **driving – operating** subway and rail transit vehicles as part of two-person crews
- **Methodical interest** in **copying** information to report delays, malfunctions and accidents; and in observing signals at crossings and arrival and departure points
- **Social interest** in **speaking** with control units when reporting delays, malfunctions and accidents; and in directing passengers during emergency evacuation procedures

Physical Activities

Vision  
4 Total visual field

Colour Discrimination  
1 Relevant

Hearing  
1 Limited

Body Position  
1 Sitting

Limb Co-ordination  
1 Upper limb co-ordination

Strength  
1 Limited

Environmental Conditions

Location  
L4 In a vehicle or cab

Discomforts  
D1 Noise  
D2 Vibration

Employment Requirements

Education/Training  
2+, R

- Completion of secondary school may be required.
- Up to three months of on-the-job training, including classroom instruction, is usually provided.
- A minimum of one year of safe driving experience is required.
- Experience as a public transit bus driver is usually required for subway and light rail transit operators.

Workplaces/Employers

Urban transit systems

Occupational Options

Progression to transit supervisory or inspector positions is possible with experience.

Similar Occupations Classified Elsewhere

Supervisors and inspectors of bus drivers, subway operators and other transit operators (in 7222 *Supervisors, Motor Transport and Other Ground Transit Operators*)



# 7413.1 Taxi and Limousine Drivers

Taxi and limousine drivers operate automobiles and limousines to transport passengers.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
4	4	4	3	4	4	3	4	3

### INTERESTS

OMS

### DATA PEOPLE THINGS (DPT)

563

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
4	1	2	1	2	3

### ENVIRONMENTAL CONDITIONS (EC)

L4

### EDUCATION/TRAINING

2+, R

## Examples of Job Titles

airport limousine driver

limousine driver

taxi driver

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to operate motor vehicles, to understand and follow motor vehicle and safety regulations, to know the location of streets and important buildings, and to select the best routes according to traffic conditions
- **Spatial perception** to visualize the relationship among own vehicle, other moving vehicles and stationary objects and to judge distances accurately
- **Motor co-ordination and manual dexterity** to make precise movements when manipulating gear shifts, levers, brakes and other controls and to help passengers with luggage and in boarding vehicles
- **Objective interest in driving** to pick passengers up and transport them to their destinations
- **Methodical interest in copying** information to record transactions and collect flat-rate and taximeter fares
- **Social interest in speaking** to maintain contact with dispatchers

Physical Activities

- Vision
- 4 Total visual field
- Colour Discrimination
- 1 Relevant

- Hearing
- 2 Verbal interaction

- Body Position
- 1 Sitting

- Limb Co-ordination
- 2 Multiple limb co-ordination

- Strength
- 3 Medium

Environmental Conditions

- Location
- L4 In a vehicle or cab

Employment Requirements

Education/Training  
2+, R

- Some secondary school education is usually required.
- A minimum of one year safe driving experience is usually required.
- A Class G driver's licence is required in Ontario, and a Class 4 driver's licence elsewhere.
- Taxi and limousine drivers require good knowledge of the geographical area to be covered.
- Taxi drivers usually require a municipal permit.

Workplaces/Employers

Self-employment  
Taxi and transportation service companies

Occupational Options

Mobility from taxi or limousine driver to chauffeur is possible with experience.

Similar Occupations Classified Elsewhere

*Supervisors, Motor Transport and Other Ground Transit Operators (7222)*

Taxi dispatchers (in 1475 *Dispatchers and Radio Operators*)

# 7413.2 Chauffeurs

Chauffeurs drive automobiles and limousines to transport personnel and visitors of businesses, government and other organizations, and members of private households.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
4	4	4	3	4	4	3	4	3

### INTERESTS

OMS

### DATA PEOPLE THINGS (DPT)

563

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
4	1	2	1	2	3

### ENVIRONMENTAL CONDITIONS (EC)

L4

### EDUCATION/TRAINING

2+, R

## Examples of Job Titles

chauffeur

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to operate motor vehicles, to understand and follow motor vehicle and safety regulations, to know the location of streets and important buildings, and to select the best routes according to traffic conditions
- **Spatial perception** to visualize the relationship among own vehicle, other moving vehicles and stationary objects and to judge distances accurately
- **Motor co-ordination and manual dexterity** to make precise movements when manipulating gear shifts, levers, brakes and other controls
- **Objective interest in driving** employers, and passengers designated by employers, to destinations in automobiles and limousines, and to meet and pick up employers according to requests, appointments and schedules
- **Methodical interest in copying** to clean and make minor repairs to vehicles, and to take vehicles for servicing
- **Social interest in speaking** to perform business and personal errands for employers such as delivering and picking up mail, business documents and parcels

---

## Physical Activities

---

**Vision**  
4 Total visual field

**Colour Discrimination**  
1 Relevant

**Hearing**  
2 Verbal interaction

**Body Position**  
1 Sitting

**Limb Co-ordination**  
2 Multiple limb co-ordination

**Strength**  
3 Medium

---

## Environmental Conditions

---

**Location**  
L4 In a vehicle or cab

---

## Employment Requirements

---

Education/Training  
2+, R

- Some secondary school education is usually required.
- A minimum of one year of safe driving experience is usually required.
- A Class G driver's licence is required in Ontario, and a Class 4 driver's licence elsewhere.

---

## Workplaces/Employers

---

Businesses  
Governments  
Organizations  
Private individuals

---

## Similar Occupations Classified Elsewhere

---

*Supervisors, Motor Transport and Other Ground Transit Operators (7222)*

Taxi dispatchers (in 1475 *Dispatchers and Radio Operators*)

# 7414 Delivery and Courier Service Drivers

Delivery and courier service drivers drive automobiles, vans and light trucks to pick up and deliver various products.

</

Descriptor Profile			
Main Characteristics			
Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:			
<ul style="list-style-type: none"><li>▪ <b>General learning ability</b> to operate and drive automobiles, vans and light trucks, and to pick up and deliver various products such as fast food, newspapers, magazines, bakery and dairy products and items such as dry cleaning, envelopes, packages and parcels</li></ul>	<ul style="list-style-type: none"><li>▪ <b>Spatial perception</b> to visualize relationship among own vehicle, other moving vehicles and stationary objects; to visualize movement and placement of objects and materials in vehicles; and to judge speed and distance when manoeuvring vehicles in confined and congested areas</li></ul>	<ul style="list-style-type: none"><li>▪ <b>Methodical interest in copying</b> to record information on pick-ups and deliveries, vehicle mileage, fuel costs and any problems; and in performing pre-trip inspections of vehicles</li></ul>	
	<ul style="list-style-type: none"><li>▪ <b>Motor co-ordination and manual dexterity</b> to manipulate controls in response to visual stimuli when operating levers, pedals, steering wheels and other controls</li></ul>	<ul style="list-style-type: none"><li>▪ <b>Objective interest in driving</b> automobiles, vans and light trucks</li></ul>	
			<ul style="list-style-type: none"><li>▪ <b>Social interest in speaking</b> to customers to sell products over established routes and accept and make payments for goods; may communicate with central dispatchers using cellular telephones and citizen's band (CB) radios</li></ul>

## Physical Activities

**Vision**  
4 Total visual field

**Colour Discrimination**  
1 Relevant

**Hearing**  
1\* Limited

**Body Position**  
3 Sitting, standing, walking

**Limb Co-ordination**  
2 Multiple limb co-ordination

**Strength**  
3 Medium

## Environmental Conditions

**Location**  
L4 In a vehicle or cab

**Hazards**  
H1\* Dangerous chemical substances

## Employment Requirements

Education/Training  
2+, R

- Completion of secondary school may be required.
- A driver's licence appropriate to the class of vehicle being driven is required.
- One year of safe driving experience is usually required.
- On-the-job training is provided.
- Eligibility for bonding and transportation of dangerous goods (TGD) certification may be required for courier drivers.

## Workplaces/Employers

Businesses and other establishments

Courier and messenger service companies

Dairies

Drug stores

Dry cleaners

Mobile caterers

Newspapers

Retail establishments

Self-employment

Take-out food establishments

## Occupational Options

Progression to supervisory positions or to non-driving occupations, such as driver trainers or dispatchers is possible with additional training or experience.

## Similar Occupations Classified Elsewhere

*Couriers, Messengers and Door-to-Door Distributors* (1463)

*Dispatchers and Radio Operators* (1475)

Drivers of heavy trucks (in 7411 *Truck Drivers*)

Garbage truck drivers (in 7422 *Public Works Maintenance Equipment Operators*)

Supervisors of delivery drivers (in 7222 *Supervisors, Motor Transport and Other Ground Transit Operators*)

## Remarks

\*Physical Activities

- For some occupations in this group, **Hearing 2** (Verbal interaction) may also apply.

\*Environmental Conditions

- For some occupations in this group, **Hazards H1** (Dangerous chemical substances) may also apply.



# 7421 Heavy Equipment Operators (Except Crane)

Heavy equipment operators operate heavy equipment used in the construction and maintenance of roads, bridges, airports, gas and oil pipelines, tunnels, buildings and other structures; in surface mining and quarrying activities; and in material handling work.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	4	4	3	4	5	3	4	3

### INTERESTS

OMi

### DATA PEOPLE THINGS (DPT)

683

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
4	0	1	1	2	2

### ENVIRONMENTAL CONDITIONS (EC)

L4, H3, H8, D1, D2, D4

### EDUCATION/TRAINING

2, 4, 5, R

## Examples of Job Titles

backhoe operator  
bulldozer operator  
excavator operator  
gradall operator  
grader operator  
heavy equipment operator  
heavy equipment operator apprentice  
loader operator – construction  
side boom tractor operator  
surface mining equipment operator

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to operate heavy equipment such as backhoes, bulldozers, loaders and graders to excavate, move, load and grade earth, rock, gravel and other materials during construction and related activities
- **Spatial perception** to manoeuvre construction equipment to avoid other moving and stationary objects, and to operate heavy equipment with pile driver heads to drive pilings into the earth to support buildings, bridges and other structures
- **Motor co-ordination and manual dexterity** to manipulate hand levers, foot pedals and steering devices
- **Objective interest in operating** bulldozers and heavy dredging, paving and surfacing equipment to deepen waterways, reclaim earth fill, lay, spread and compact concrete, asphalt and other surface materials during highway and road construction; and in operating power shovels to excavate rock, ore and other materials from open-pit mines, strip mines, quarries and construction pits
- **Methodical interest in comparing** information to move, load and unload cargo and to clear brush and stumps before logging activities using bulldozers and other heavy equipment
- **Innovative interest** in conducting pre-operational checks on equipment and in cleaning, lubricating and refilling equipment, and in building roads at logging and surface mining sites using bulldozers and other heavy equipment



## Physical Activities

### Vision

- 4 Total visual field

### Colour Discrimination

- 0 Not relevant

### Hearing

- 1 Limited

### Body Position

- 1 Sitting

### Limb Co-ordination

- 2 Multiple limb co-ordination

### Strength

- 2 Light

## Environmental Conditions

### Location

- L4 In a vehicle or cab

### Hazards

- H3 Equipment, machinery, tools  
H8 Dangerous locations

### Discomforts

- D1 Noise  
D2 Vibration  
D4 Non-toxic dusts

## Employment Requirements

### Education/Training

- 2, 4, 5, R

- Some secondary school education is required.
- Completion of a one- to two-year apprenticeship program *or* some high school, college or industry courses in heavy equipment operating combined with on-the-job training are required.
- Trade certification is compulsory in Quebec and available, but voluntary, in Newfoundland and Labrador, Nunavut and the Northwest Territories.
- Internal company certification may be required by some employers.

## Workplaces/Employers

Construction companies  
Heavy equipment contractors  
Pipeline, logging and cargo handling companies  
Public works departments

## Occupational Options

Progression to supervisory positions is possible with experience.

## Similar Occupations Classified Elsewhere

*Contractors and Supervisors, Heavy Construction Equipment Crews (7217)*

*Crane Operators (7371)*

Forklift and industrial truck operators (in 7452 *Material Handlers*)

*Logging Machinery Operators (8241)*

*Underground Production and Development Miners (8231)*

# 7422     Public Works Maintenance Equipment Operators

Public works maintenance equipment operators use vehicles and equipment to maintain streets, highways and sewer systems, and operate garbage trucks to remove garbage and refuse.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
4	4	4	3	4	4	3	4	3

### INTERESTS

OMi

### DATA PEOPLE THINGS (DPT)

683

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
4	1	1	1	2	2*

### ENVIRONMENTAL CONDITIONS (EC)

L4, H3, D1, D2, D3\*, D5

### EDUCATION/TRAINING

2, R

## Examples of Job Titles

- garbage truck driver
- municipal maintenance equipment operator
- public works maintenance equipment operator
- salt truck operator
- sand spreader operator
- sanitation truck driver
- sewer-flushing truck operator
- snow removal equipment operator – public works
- street flusher operator
- street sweeper operator

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to understand and operate vehicles and equipment to maintain streets and sewers, and to remove garbage and refuse
- **Spatial perception** to visualize relationship among own vehicle, other moving vehicles and stationary objects, and to visualize the movement and placement of objects and materials when removing sand, litter and trash
- **Motor co-ordination and manual dexterity** to manipulate levers, pedals, steering wheels and other controls when removing garbage, refuse and snow from streets, highways, parking lots and similar areas
- **Objective interest in driving** garbage trucks, street cleaning equipment such as street sweepers and other vehicles equipped with rotating brushes, snowploughs and plough blades; sewer maintenance equipment such as rodders and sewer jet cleaners; and trucks equipped with road-sanding and other similar apparatus
- **Methodical interest in comparing** information to maintain streets and repair sewer systems, and to remove garbage and dump loads at designated areas
- **Innovative interest** in checking, lubricating, refuelling and cleaning equipment, and in reporting any malfunctions to supervisors

## Physical Activities

**Vision**  
4 Total visual field

**Colour Discrimination**  
1 Relevant

**Hearing**  
1 Limited

**Body Position**  
1 Sitting

**Limb Co-ordination**  
2 Multiple limb co-ordination

**Strength**  
2\* Light

## Environmental Conditions

**Location**  
L4 In a vehicle or cab

**Hazards**  
H3 Equipment, machinery, tools

**Discomforts**  
D1 Noise  
D2 Vibration  
D3\* Odours  
D5 Wetness

## Employment Requirements

Education/Training  
2, R

- Some secondary school may be required.
- Experience as a public works labourer is usually required.
- On-the-job training is provided.
- A driver's licence appropriate to a specific type of equipment may be required.

## Workplaces/Employers

Municipal, provincial and federal public works departments

Private contractors under contract with government public works departments

## Occupational Options

Progression to supervisory positions is possible with experience.

## Similar Occupations Classified Elsewhere

*Heavy Equipment Operators (Except Crane) (7421)*

*Public Works and Maintenance Labourers (7621)*

Supervisors of public works maintenance equipment operators (in 7217 *Contractors and Supervisors, Heavy Construction Equipment Crews*)

*Truck Drivers (7411)*

## Remarks

\*Physical Activities

- For some occupations in this group, **Strength 3 (Medium)** may also apply.

\*Environmental Conditions

- For some occupations in this group, **Discomforts D3 (Odours)** may also apply.

# 7431    Railway Yard Workers

Railway yard workers regulate yard traffic, couple and uncouple trains and perform related yard activities.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	4	5	4	4	4	4	4	4

### INTERESTS

OMi

### DATA PEOPLE THINGS (DPT)

684

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
4	1	1	4	2	3*

### ENVIRONMENTAL CONDITIONS (EC)

L1, L3, H8, D1, D4\*

### EDUCATION/TRAINING

2, R

## Examples of Job Titles

car controller – railway  
control tower operator – railway  
signal tower operator – railway  
switch tender – railway yard  
towerman/woman – railway transport  
yard coupler – railway  
yard worker – railway

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to understand procedures and regulations to operate centralized traffic control (CTC) systems, regulate yard traffic, and couple and uncouple trains
- **Spatial perception** to visualize relative positions and movements of trains on sections of railway to activate train switches that regulate railway traffic
- **Form perception** to align locomotives and cars for coupling, uncoupling and servicing using car retarders, turntables and track switches
- **Motor co-ordination** and **finger and manual dexterity** to operate switches, keys, buttons and other control devices
- **Objective interest** in **operating** control panel switches from railway yard towers to set traffic signals
- **Methodical interest** in **comparing** information to switch cars according to instructions that indicate locations, arrangement and number of cars
- **Innovative interest** in lubricating moving parts of railway cars and locomotives

## Physical Activities

### Vision

- 4 Total visual field

### Colour Discrimination

- 1 Relevant

### Hearing

- 1 Limited

### Body Position

- 4 Other body positions

### Limb Co-ordination

- 2 Multiple limb co-ordination

### Strength

- 3\* Medium

## Environmental Conditions

### Location

- L1 Regulated inside climate  
L3 Outside

### Hazards

- H8 Dangerous locations

### Discomforts

- D1 Noise  
D4\* Non-toxic dusts

## Employment Requirements

Education/Training  
2, R

- Some secondary school education is usually required.
- Experience as a railway labourer is required.
- On-the-job training is provided.
- Railway yard workers require a Canadian Rail Operating Rules certificate.

## Workplaces/Employers

Railway transport companies

## Occupational Options

Progression to a position such as brakeman/woman is possible with experience.

## Similar Occupations Classified Elsewhere

*Railway and Motor Transport Labourers*  
(7622)

*Railway Conductors and  
Brakemen/women* (7362)

*Railway Track Maintenance Workers*  
(7432)

Supervisors of railway yard workers (in  
7221 *Supervisors, Railway Transport  
Operations*)

## Remarks

\*Physical Activities

- For some occupations in this group, Strength 4 (Heavy) may also apply.

\*Environmental Conditions

- For some occupations in this group, Discomforts D4 (Non-toxic dusts) may also apply.

# 7432     Railway Track Maintenance Workers

Railway track maintenance workers operate machines and equipment to lay, maintain and repair railway tracks.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	4	5	3	4	5	3	4	3

### INTERESTS

OMi

### DATA PEOPLE THINGS (DPT)

684

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
3	0	1	4	2	3

### ENVIRONMENTAL CONDITIONS (EC)

L3, H3, D1, D2, D4\*

### EDUCATION/TRAINING

2

## Examples of Job Titles

ballast regulator operator – railway  
equipment operator, railway  
machine operator – railway  
rail saw operator  
section worker – railway  
spike machine operator – railway  
tie tamper operator – railway  
track patroller, railway  
trackman/woman, railway

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to operate machines and equipment, such as tie cutters, tie injectors, tie anchors, rail lifters, spike drivers, spike pullers, rail saws and tie cranes, to lay, maintain and repair railway tracks
- **Spatial perception** to judge distances and positions when patrolling assigned track sections to identify and report damaged and broken track
- **Motor co-ordination** and **manual dexterity** to shovel ice and snow from track switch boxes and to operate hand and foot controls of equipment
- **Objective interest** in **operating** machines and equipment to align tracks and to transfer, spread, level and tamp ballast around ties
- **Methodical interest** in **comparing** information to clean machines and equipment, clear snow from tracks and perform other track maintenance duties
- **Innovative interest** in making minor repairs to machines and equipment

### Physical Activities

**Vision**  
3 Near and far vision

**Colour Discrimination**  
0 Not relevant

**Hearing**  
1 Limited

**Body Position**  
4 Other body positions

**Limb Co-ordination**  
2 Multiple limb co-ordination

**Strength**  
3 Medium

### Environmental Conditions

**Location**  
L3 Outside

**Hazards**  
H3 Equipment, machinery, tools

**Discomforts**  
D1 Noise  
D2 Vibration  
D4\* Non-toxic dusts

### Employment Requirements

**Education/Training**  
2

- Some secondary school education is usually required.
- On-the-job training is provided.

### Workplaces/Employers

Railway transport companies

### Similar Occupations Classified Elsewhere

*Railway and Motor Transport Labourers (7622)*

*Railway Yard Workers (7431)*

*Supervisors, Railway Transport Operations (7221)*

### Remarks

\*Environmental Conditions

- For some occupations in this group, Discomforts D4 (Non-toxic dusts) may also apply.



# 7433 Deck Crew, Water Transport

Deck crew in this group stand watch, operate and maintain deck equipment and perform other deck and bridge duties aboard ships and self-propelled vessels under the direction of deck officers.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
4	4	4	4	4	4	3	4	3

### INTERESTS

OMi

### DATA PEOPLE THINGS (DPT)

683

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
4	1	3	4	1	4

### ENVIRONMENTAL CONDITIONS (EC)

L3, L4, H4, D1

### EDUCATION/TRAINING

2, +

## Examples of Job Titles

able seaman/woman  
boatswain – military  
deckhand  
ordinary seaman/woman  
tunnel operator, ship  
wheelsman/woman

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to serve as members of deck crews aboard ships performing duties such as standing watch, steering, operating, maintaining and repairing deck equipment
- **Motor co-ordination** and **manual dexterity** to handle mooring lines, and splice and repair ropes, wire cables and cordage
- **Objective interest** in **operating** deck equipment such as winches, cranes, derricks and hawsers; and in steering ships and self-propelled vessels under the direction of officers on watch
- **Methodical interest** in **comparing** to clean, chip and paint deck surfaces
- **Innovative interest** in repairing deck equipment, ropes, wire cables and cordage

---

## Physical Activities

### Vision

- 4 Total visual field

### Colour Discrimination

- 1 Relevant

### Hearing

- 3 Other sound discrimination

### Body Position

- 4 Other body positions

### Limb Co-ordination

- 1 Upper limb co-ordination

### Strength

- 4 Heavy

---

## Environmental Conditions

### Location

- L3 Outside
- L4 In a vehicle or cab

### Hazards

- H4 Electricity

### Discomforts

- D1 Noise

---

## Employment Requirements

### Education/Training

- 2, +

- Some secondary school education is required.
- On-the-job training is provided.
- Senior positions in this group, such as able seaman/woman, require experience.

---

## Workplaces/Employers

Federal government departments including the armed forces

Ferries and tour boat companies

Marine transportation companies

---

## Occupational Options

Training and testing for various endorsements and certification, including the Marine Emergency Duty (MED) certificate, occur following employment as a deck crew member.

Progression to deck officer positions is possible with experience, additional training and deck officer certification by Transport Canada.

---

## Similar Occupations Classified Elsewhere

*Boat Operators (7436)*

*Deck Officers, Water Transport (2273)*

*Engineer Officers, Water Transport (2274)*

*Engine Room Crew, Water Transport (7434)*

*Fishing Vessel Deckhands (8441)*

# 7434 Engine Room Crew, Water Transport

Water transport engine room crew assist ship engineer officers to operate, maintain and repair engines, machinery and auxiliary equipment aboard ships and self-propelled vessels.

Descriptor Profile		
Main Characteristics		
Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:		
▪ <b>General learning ability</b> to assist ship engineers in performing routine maintenance work and repair engines, machinery and auxiliary equipment	▪ <b>Motor co-ordination and manual dexterity</b> to clean engine parts and keep engine rooms clean	▪ <b>Objective interest</b> in <b>operating</b> and maintaining off-loading liquid pumps and valves
	▪ <b>Methodical interest</b> in <b>comparing</b> information to monitor engine machinery and equipment indicators, record variables and report abnormalities to the ship engineer on watch	▪ <b>Innovative interest</b> in lubricating moving parts of engines, machinery and auxiliary equipment

## Physical Activities

### Vision

- 2 Near vision

### Colour Discrimination

- 0 Not relevant

### Hearing

- 3 Other sound discrimination

### Body Position

- 4 Other body positions

### Limb Co-ordination

- 1 Upper limb co-ordination

### Strength

- 2 Light

## Environmental Conditions

### Location

- L1 Regulated inside climate
- L4 In a vehicle or cab

### Hazards

- H3 Equipment, machinery, tools
- H8 Dangerous locations

### Discomforts

- D1 Noise

## Employment Requirements

### Education/Training

2

- Some secondary school education is required.
- On-the-job training is provided.

## Workplaces/Employers

Federal government departments including the armed forces

Ferries and tour boat companies

Marine transportation companies

## Occupational Options

Training and testing for various endorsements and certification, including the Marine Emergency Duty (MED) certificate, occur following employment as an engine room crew member.

Progression to ship engineer officer positions is possible with experience, additional training and certification by Transport Canada.

## Similar Occupations Classified Elsewhere

*Deck Crew, Water Transport (7433)*

*Deck Officers, Water Transport (2273)*

*Engineer Officers, Water Transport (2274)*

# 7435.1 Lock Equipment Operators

Lock equipment operators operate lock gates, bridges and similar equipment along canal systems.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	3	4	3	3	4	4	4	3

### INTERESTS

OMd

### DATA PEOPLE THINGS (DPT)

664

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
4	0	2	1	0	1

### ENVIRONMENTAL CONDITIONS (EC)

L1

### EDUCATION/TRAINING

2

## Examples of Job Titles

cable ferry operator  
canal lock operator  
loading bridge operator  
lockmaster

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to operate controls to open and close lock gates
- **Verbal ability** to maintain good public relations with persons using lock facilities such as ships' crews, pleasure-boat operators and sightseers
- **Spatial and form perception** to observe the progress of vessels passing through locks
- **Manual dexterity** to operate controls, telecommunication equipment and portable loudspeakers to direct movements of vessels in lock areas
- **Objective interest in operating** equipment to raise, lower and turn bridges and to control lock gates
- **Methodical interest in comparing** information to record data concerning weather conditions and registration of vessels passing through locks
- **Directive interest in speaking** with captains and crews to direct movements of vessels in lock areas and to institute emergency procedures to assist vessels in difficulty

## Physical Activities

Vision  
4 Total visual field

Colour Discrimination  
0 Not relevant

Hearing  
2 Verbal interaction

Body Position  
1 Sitting

Limb Co-ordination  
0 Not relevant

Strength  
1 Limited

## Environmental Conditions

Location  
L1 Regulated inside climate

## Employment Requirements

Education/Training  
2

- Some secondary school education is usually required.
- On-the-job training is provided.

## Workplaces/Employers

Cable ferry companies  
Federal government  
Ferry terminals

## Occupational Options

There is little or no mobility among lock equipment operators, cable ferry operators and terminal workers in the 7435 group.

# 7435.2 Cable Ferry Operators

Cable ferry operators operate cable ferries.

## Profile Summary

APTITUDES								
G	V	N	S	P	Q	K	F	M
3	4	4	3	3	5	4	4	3
INTERESTS								
OMd								
DATA PEOPLE THINGS (DPT)								
663								
PHYSICAL ACTIVITIES (PA)								
V	C	H	B	L	S			
4	0	1	3	1	2*			
ENVIRONMENTAL CONDITIONS (EC)								
L4, D1, D2								
EDUCATION/TRAINING								
2								

## Examples of Job Titles

cable ferry operator  
lockmaster

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to operate and maintain cable ferries to transport passengers, vehicles and freight across narrow waterways
- **Spatial and form perception** to visualize spatial relationship of vehicles on deck and to operate gates and loading ramps
- **Manual dexterity** to refuel, inspect, lubricate and perform emergency repairs to engines, cables, winches, pontoons and other equipment using hand tools and lubricants
- **Objective interest** in **operating** cable ferries across narrow waterways to opposite terminals
- **Methodical interest** in **comparing** to perform routine maintenance and repairs to engines, cables and winches
- **Directive interest** in **signalling** passengers and motor vehicles to embark and disembark



Physical Activities

Vision  
4 Total visual field

Colour Discrimination  
0 Not relevant

Hearing  
1 Limited

Body Position  
3 Sitting, standing, walking

Limb Co-ordination  
1 Upper limb co-ordination

Strength  
2\* Light

Environmental Conditions

Location  
L4 In a vehicle or cab

Discomforts  
D1 Noise  
D2 Vibration

Employment Requirements

Education/Training  
2

- Some secondary school education is usually required.
- On-the-job training is provided.

Workplaces/Employers

Cable ferry companies  
Federal government  
Ferry terminals

Occupational Options

There is little or no mobility among lock equipment operators, cable ferry operators and terminal workers in the 7435 group.

Remarks

- \*Physical Activities
- For some occupations in this group, Strength 3 (Medium) may also apply.

# 7435.3 Ferry Terminal Workers

Ferry terminal workers operate equipment required to perform work at ferry terminals.

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to operate equipment to perform duties at ferry terminals
- **Spatial and form perception** to adjust levels of landing bridges
- **Objective interest in operating** controls to adjust landing bridges, to position and remove gangplanks, to open and close doors and gates, and to secure and remove docking devices
- **Methodical interest** in **comparing** to inspect security of gangplanks, maintain equipment and clean work area
- **Directive interest** in **signalling** passengers and motor vehicles to embark and disembark; may collect tickets and fares from passengers

Physical Activities

Vision  
4 Total visual field

Colour Discrimination  
0 Not relevant

Hearing  
1 Limited

Body Position  
4 Other body positions

Limb Co-ordination  
1 Upper limb co-ordination

Strength  
3 Medium

Environmental Conditions

Location  
L1 Regulated inside climate  
L3 Outside

Hazards  
H3 Equipment, machinery, tools

Discomforts  
D1 Noise

Employment Requirements

Education/Training  
2

- Some secondary school education is usually required.
- On-the-job training is provided.

Workplaces/Employers

Cable ferry companies  
Federal government  
Ferry terminals

Occupational Options

There is little or no mobility among equipment operators, cable ferry operators and terminal workers in the 7435 group.

# 7436 Boat Operators

Boat operators operate small boats and crafts to transport passengers and freight, and to perform other duties.

## Profile Summary

APTITUDES								
G	V	N	S	P	Q	K	F	M
4	3	5	3	4	5	3	4	3
INTERESTS								
MOs								
DATA PEOPLE THINGS (DPT)								
663								
PHYSICAL ACTIVITIES (PA)								
V	C	H	B	L	S			
4	1	3	1	1	2			
ENVIRONMENTAL CONDITIONS (EC)								
L3, L4, H3, H8, D1								
EDUCATION/TRAINING								
2, R								

## Examples of Job Titles

- charter boat operator
- launch master
- motor boat operator
- scow captain
- sightseeing boat operator
- small craft operator
- water taxi operator

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to operate motorboats, launches, small ferry boats and other similar vessels to transport passengers and freight
- **Spatial perception** to visualize relative position of own boat with other boats, buoys and lights; may perform other duties such as patrolling beaches and measuring depth of water
- **Motor co-ordination and manual dexterity** to manoeuvre crafts by moving levers and helm to change speed and direction, and to service boats and equipment using hand and power tools, paint, brushes and cleaning equipment
- **Methodical interest in comparing** to maintain boats and equipment on board such as engines, winches, derricks, fire extinguishers and life preservers; may perform other duties such as checking for oil spills and other pollutants around ports and harbours
- **Objective interest in driving** boats, launches, ferries and other small vessels
- **Social interest in speaking – signalling** to perform special operations such as making soundings, conducting sightseeing tours and operating charter services and water taxis

## Physical Activities

### Vision

- 4 Total visual field

### Colour Discrimination

- 1 Relevant

### Hearing

- 3 Other sound discrimination

### Body Position

- 1 Sitting

### Limb Co-ordination

- 1 Upper limb co-ordination

### Strength

- 2 Light

## Environmental Conditions

### Location

- L3 Outside
- L4 In a vehicle or cab

### Hazards

- H3 Equipment, machinery, tools
- H8 Dangerous locations

### Discomforts

- D1 Noise

## Employment Requirements

### Education/Training

2, R

- Some secondary school education is required.
- On-the-job training is provided.
- A Master Limited certificate, issued by Transport Canada, is required.

## Workplaces/Employers

Canal, port and harbour authorities

Marine companies that provide sightseeing tours or water taxi services

## Occupational Options

Mobility between boat operators in this group is possible.

Progression to deck officer positions is possible with additional training, experience and certification.

## Similar Occupations Classified Elsewhere

Cable ferry operators (in 7435 *Lock and Cable Ferry Operators and Related Occupations*)

*Deck Crew, Water Transport* (7433)

Ferryboat operator and ship pilots (in 2273 *Deck Officers, Water Transport*)

# 7437     Air Transport Ramp Attendants

Air transport ramp attendants operate ramp-servicing vehicles and equipment, handle cargo and baggage and perform other ground support duties at airports.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
4	4	4	3	4	4	4	4	3

### INTERESTS

MOi

### DATA PEOPLE THINGS (DPT)

683

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
4	1	1	4	2	4

### ENVIRONMENTAL CONDITIONS (EC)

L3, L4, D1

### EDUCATION/TRAINING

3, 4, R

## Examples of Job Titles

aircraft groomer  
airport ramp attendant  
cargo attendant, air transport  
ramp agent, air transport  
ramp attendant, air transport  
station attendant, air transport

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to operate ramp-servicing vehicles and equipment such as towing tractors, food service trucks, de-icer sprayers and lavatory servicing trucks
- **Spatial perception** to judge speed and relative distance when operating ramp-service vehicles and positioning passenger loading stairs
- **Manual dexterity** to load and unload cargo and baggage, and to transport freight among aircraft and airport warehouses
- **Methodical interest in comparing** information to sort and route cargo and baggage, to clean and prepare aircraft interiors and to wash aircraft exteriors
- **Objective interest in driving** ramp-servicing vehicles; in operating aircraft cargo doors; in marshalling and towing aircraft to gate positions for passenger boarding and deplaning; and in loading and unloading cargo
- **Innovative interest** in sorting and loading cargo and baggage to achieve proper balance according to instructions forwarded by load planners

## Physical Activities

### Vision

- 4 Total visual field

### Colour Discrimination

- 1 Relevant

### Hearing

- 1 Limited

### Body Position

- 4 Other body positions

### Limb Co-ordination

- 2 Multiple limb co-ordination

### Strength

- 4 Heavy

## Environmental Conditions

### Location

- L3 Outside  
L4 In a vehicle or cab

### Discomforts

- D1 Noise

## Employment Requirements

### Education/Training

- 3, 4, R

- Completion of secondary school is usually required.
- Experience operating baggage transporting equipment or warehouse experience may be required.
- A driver's licence and a good driving record are usually required.

## Workplaces/Employers

Airline and air services companies

Federal government

## Occupational Options

There is mobility among jobs in this group.

## Similar Occupations Classified Elsewhere

Airline load planners (in 6433 *Airlines Sales and Service Agents*)

Baggage handlers (in 6672 *Other Attendants in Accommodation and Travel*)

*Material Handlers* (7452)



# 7441 Residential and Commercial Installers and Servicers

Residential and commercial installers and servicers install and service interior and exterior prefabricated products, such as windows, doors, electrical appliances, water heaters, fences, play structures and septic systems, at residential and commercial properties.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	4	4	3	3	4	3	4	3

### INTERESTS

OMi

### DATA PEOPLE THINGS (DPT)

684

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
3	1	1	4	1	4

### ENVIRONMENTAL CONDITIONS (EC)

L1, L2, L3, H3, D1

### EDUCATION/TRAINING

2, R

## Examples of Job Titles

aluminum window installer  
eavestrough installer  
electric appliance installer  
exterior cladder  
fence erector  
hot tub installer  
kitchen cupboard and vanity installer  
recreation structure erector  
siding installer  
sign installer  
swimming pool installer  
water conditioner servicer  
water heater servicer  
window installer

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to install and service interior and exterior prefabricated products at residential properties and commercial facilities
- **Spatial and form perception** to read blueprints and work order specifications to determine layout and installation procedures
- **Motor co-ordination and manual dexterity** to use hand and power tools to install interior prefabricated products such as doors, windows, kitchen cupboards, bathroom vanities, water heaters and household appliances, and exterior prefabricated products such as siding, shutters, awnings, fences, decks, septic systems, signs and play structures
- **Objective interest** in operating equipment and tools to install and service interior and exterior prefabricated products
- **Methodical interest** in comparing information to measure and mark guidelines for installations
- **Innovative interest** in repairing and servicing interior and exterior prefabricated products

## Physical Activities

**Vision**  
3 Near and far vision

**Colour Discrimination**  
1 Relevant

**Hearing**  
1 Limited

**Body Position**  
4 Other body positions

**Limb Co-ordination**  
1 Upper limb co-ordination

**Strength**  
4 Heavy

## Environmental Conditions

**Location**  
L1 Regulated inside climate  
L2 Unregulated inside climate  
L3 Outside

**Hazards**  
H3 Equipment, machinery, tools

**Discomforts**  
D1 Noise

## Employment Requirements

**Education/Training**  
2, R

- Some secondary school education is usually required.
- On-the-job training and several months of related installing, repairing or servicing experience are usually required.
- A driver's licence may be required.

## Workplaces/Employers

Companies specializing in specific product installation and service

## Occupational Options

There is some mobility among the various types of installers and servicers in this group.

## Similar Occupations Classified Elsewhere

Central air conditioner installers (in 7313 *Refrigeration and Air Conditioning Mechanics*)

Supervisors of workers in this group (in 7219 *Contractors and Supervisors, Other Construction Trades, Installers, Repairers and Servicers*)

# 7442.1 Waterworks Maintenance Workers

Waterworks maintenance workers maintain and repair waterworks equipment and facilities.

Descriptor Profile		
Main Characteristics		
Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:		
<ul style="list-style-type: none"><li>▪ <b>General learning ability</b> to maintain and repair waterworks equipment and facilities</li></ul>	<ul style="list-style-type: none"><li>▪ <b>Motor co-ordination and manual dexterity</b> to install water meters using hand and power tools</li><li>▪ <b>Methodical interest in copying</b> to check, clean and lubricate waterworks equipment such as pumping equipment, chlorination equipment and compressors</li></ul>	
	<ul style="list-style-type: none"><li>▪ <b>Objective interest in precision working</b> to search and locate reported water leaks and repair water mains, valves and outlets</li><li>▪ <b>Innovative interest in assisting</b> to adjust and repair waterworks equipment under the direction of qualified tradespersons</li></ul>	

## Physical Activities

**Vision**  
3 Near and far vision

**Colour Discrimination**  
0 Not relevant

**Hearing**  
1 Limited

**Body Position**  
4 Other body positions

**Limb Co-ordination**  
1 Upper limb co-ordination

**Strength**  
3 Medium

## Environmental Conditions

**Location**  
L1 Regulated inside climate  
L3 Outside

**Hazards**  
H3 Equipment, machinery, tools

**Discomforts**  
D5 Wetness

## Employment Requirements

**Education/Training**  
2

- Completion of secondary school may be required.
- Several years of experience as a labourer in the same company may be required.
- On-the-job training is provided.

## Workplaces/Employers

Waste treatment plants  
Water filtration and distribution plants

## Occupational Options

Mobility among jobs in the 7442 group normally occurs within the same area of work, such as within waste water treatment plants, within water filtration and distribution plants or within gas distribution plants.

Progression to supervisory positions is possible with experience.

## Similar Occupations Classified Elsewhere

Supervisors of water maintenance workers (in 9212 *Supervisors, Petroleum, Gas and Chemical Processing and Utilities*)

*Water and Waste Plant Operators* (9424)

# 7442.2 Gas Maintenance Workers

Gas maintenance workers check and perform routine maintenance and minor repairs to exterior and underground gas mains and distribution lines.

Profile Summary										Examples of Job Titles	
APTITUDES											gas leak locator gas maintenance worker utility plant maintenance worker
G	V	N	S	P	Q	K	F	M			
3	4	4	4	4	3	3	4	3			
INTERESTS											
MOi											
DATA PEOPLE THINGS (DPT)											
561											
PHYSICAL ACTIVITIES (PA)											
V	C	H	B	L	S						
3	0	1	4	2	3						
ENVIRONMENTAL CONDITIONS (EC)											
L1*, L2*, L3, H1, H3, D3											
EDUCATION/TRAINING											
2											

Descriptor Profile		
Main Characteristics		
Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:		
▪ <b>General learning ability</b> to maintain and repair gas mains and distribution lines, and to conduct routine surveys of gas mains and distribution lines to detect and locate escaping gas	▪ <b>Clerical perception</b> to keep records of work performed and location and condition of pipelines	▪ <b>Objective interest</b> in <b>precision working</b> to investigate reports of gas leaks to determine the exact location and extent of leaks
	▪ <b>Motor co-ordination</b> and <b>manual dexterity</b> to dig ground to expose gas lines and repair damaged pipes, and to locate escaping gas using gas-detecting devices	▪ <b>Innovative interest</b> in <b>speaking</b> with supervisor to provide information on underground gas distribution lines; and in observing excavation work to ensure that underground gas facilities are protected
	▪ <b>Methodical interest</b> in <b>copying</b> information to check and lubricate gas pipeline valves and to maintain work records	

## Physical Activities

**Vision**  
3 Near and far vision

**Colour Discrimination**  
0 Not relevant

**Hearing**  
1 Limited

**Body Position**  
4 Other body positions

**Limb Co-ordination**  
2 Multiple limb co-ordination

**Strength**  
3 Medium

## Environmental Conditions

**Location**  
L1\* Regulated inside climate  
L2\* Unregulated inside climate  
L3 Outside

**Hazards**  
H1 Dangerous chemical substances  
H3 Equipment, machinery, tools

**Discomforts**  
D3 Odours

## Employment Requirements

**Education/Training**  
2

- Completion of secondary school may be required.
- Several years of experience as a labourer in the same company may be required.
- On-the-job training is provided.

## Workplaces/Employers

Gas distribution companies

## Occupational Options

Mobility among jobs in the 7442 group normally occurs within the same area of work, such as within waste water treatment plants, within water filtration and distribution plants or within gas distribution plants.

Progression to supervisory positions is possible with experience.

## Similar Occupations Classified Elsewhere

*Gas Fitters (7253)*

Supervisors of gas maintenance workers (in 9212 *Supervisors, Petroleum, Gas and Chemical Processing and Utilities*)

## Remarks

\*Environmental Conditions

- For some occupations in this group, Location L1 (Regulated inside climate) and L2 (Unregulated inside climate) may also apply.

# 7443 Automotive Mechanical Installers and Servicers

Automotive mechanical installers and servicers install replacement automotive mechanical parts such as mufflers, exhaust pipes, shock absorbers, springs and radiators and perform routine maintenance services such as oil changes, lubrication and tire repairs on automobiles, trucks and heavy equipment.

<

Descriptor Profile		
Main Characteristics		
Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:	▪ <b>Motor co-ordination</b> to grease booms, pulleys, buckets and other components of heavy equipment	
	▪ <b>Manual dexterity</b> to add and replace hydraulic and transmission fluids in motor vehicles, trucks and heavy equipment, and to drive automobiles and service trucks to construction, logging and other industrial sites	
	▪ <b>Methodical interest</b> in comparing to change engine oil and lubricate running gears and moving parts of automobiles, trucks and heavy equipment	
	▪ <b>Objective interest</b> in operating equipment to install replacement mufflers, exhaust pipes, shock absorbers and radiators; and in replacing oil, air and fuel filters on motor vehicles, trucks and heavy equipment	
	▪ <b>Innovative interest</b> in assisting mechanics to repair and balance tires and perform other duties	



---

**Physical Activities**


---

**Vision**  
4 Total visual field

**Colour Discrimination**  
1 Relevant

**Hearing**  
1 Limited

**Body Position**  
4 Other body positions

**Limb Co-ordination**  
2 Multiple limb co-ordination

**Strength**  
3 Medium

---

**Environmental Conditions**


---

**Location**  
L1 Regulated inside climate  
L2 Unregulated inside climate  
L3 Outside

**Hazards**  
H3 Equipment, machinery, tools  
H8\* Dangerous locations

---

**Employment Requirements**


---

**Education/Training**  
2

- Some secondary school may be required.
- Several months of on-the-job training are usually required.

---

**Workplaces/Employers**


---

Automobile and truck service and repair shops

Construction, mining and logging companies

Service departments of industrial establishments

---

**Occupational Options**


---

There is some mobility among installers and servicers in this group.

Progression to supervisory positions is possible with experience.

---

**Similar Occupations Classified Elsewhere**


---

*Automotive Service Technicians, Truck Mechanics and Mechanical Repairers (7321)*

*Heavy-Duty Equipment Mechanics (7312)*

Supervisors of workers in this group (in 7216 *Contractors and Supervisors, Mechanic Trades*)

---

**Remarks**


---

\*Environmental Conditions

- For some occupations in this group, Hazards H8 (Dangerous locations) may also apply.

# 7444 Pest Controllers and Fumigators

Pest controllers and fumigators inspect buildings and outside areas for pest infestation and spray chemical treatments to kill noxious and destructive insects, rodents and other pests and set cage traps to capture and remove animals.

Profile Summary										Examples of Job Titles									
APTITUDES										animal control trapper exterminator, pests fumigator, pests nuisance control trapper pest control operator pest control technician pest controller									
G	V	N	S	P	Q	K	F	M											
3	4	4	4	3	5	4	4	3											
INTERESTS																			
OMi																			
DATA PEOPLE THINGS (DPT)																			
664																			
PHYSICAL ACTIVITIES (PA)																			
V	C	H	B	L	S														
3	0	1	4	1	2														
ENVIRONMENTAL CONDITIONS (EC)																			
L1, L3, H1, H2*, D3*																			
EDUCATION/TRAINING																			
4, R																			

Descriptor Profile	
<div><b>Main Characteristics</b></div> <p>Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:</p> <ul style="list-style-type: none"><li>▪ <b>General learning ability</b> to fumigate households, spray chemicals, discharge toxic gases and set mechanical traps to kill insects, rodents and other pests that infest buildings and surrounding areas</li></ul>	<ul style="list-style-type: none"><li>▪ <b>Form perception</b> to inspect buildings and outside areas at regular intervals and at the specific request of property owners to detect signs of infestation</li></ul>
	<ul style="list-style-type: none"><li>▪ <b>Manual dexterity</b> to install barriers such as needle strips, netting and other devices to keep animals off properties</li><li>▪ <b>Objective interest in operating</b> mechanical and electric sprayers; and in preparing and spraying chemical mixtures on infested areas</li><li>▪ <b>Methodical interest in comparing</b> information to determine type of treatment required; and in cleaning out areas using rakes, shovels, brooms and mops</li><li>▪ <b>Innovative interest in speaking</b> with customers to provide cost estimates and to advise on how to prevent pest infestation</li></ul>

## Physical Activities

**Vision**  
3 Near and far vision

**Colour Discrimination**  
0 Not relevant

**Hearing**  
1 Limited

**Body Position**  
4 Other body positions

**Limb Co-ordination**  
1 Upper limb co-ordination

**Strength**  
2 Light

## Environmental Conditions

**Location**  
L1 Regulated inside climate  
L3 Outside

**Hazards**  
H1 Dangerous chemical substances  
H2\* Biological agents

**Discomforts**  
D3\* Odours

## Employment Requirements

Education/Training  
4, R

- Completion of secondary school is usually required.
- Completion of courses in pest control or extermination or several months of on-the-job training are usually required.
- Provincial pesticide applicator licence is required in all provinces.

## Workplaces/Employers

Pest control companies  
Self-employment

## Occupational Options

Progression to supervisory positions is possible with experience.

## Similar Occupations Classified Elsewhere

Supervisors of pest controllers and fumigators (in 7219 *Contractors and Supervisors, Other Construction Trades, Installers, Repairers and Servicers*)

## Remarks

\*Environmental Conditions

- For some occupations in this group, **Hazards H2** (Biological agents) and **Discomforts D3** (Odours) may also apply.

# 7445    Other Repairers and Servicers

Other repairers and servicers include workers, not elsewhere classified, who repair and service products, such as cameras, scales, musical instruments, coin machines, vending machines, sporting goods and other miscellaneous products and equipment.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	4	4	3	3	4	3	3	3

### INTERESTS

OMi

### DATA PEOPLE THINGS (DPT)

384

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	0	1	4	1	2

### ENVIRONMENTAL CONDITIONS (EC)

L1, H3

### EDUCATION/TRAINING

2, 4

## Examples of Job Titles

bicycle repairer  
camera repairer  
meter repairer  
piano repairer  
scale repairer  
sewing machine servicer – domestic  
sporting goods repairer  
vending machine repairer

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to understand and apply the principles and procedures of installation, repair and adjustment of products and equipment
- **Spatial and form perception** to visualize the relationship and arrangement of parts in products to be repaired, and to examine products for wear
- **Motor co-ordination and finger and manual dexterity** to repair and replace defective and worn-out parts and components
- **Objective interest in operating** hand, power and specially designed tools to service products and equipment; may calibrate products using hand tools
- **Methodical interest in compiling** information to test and adjust repaired products to ensure that they work properly; and in performing routine maintenance
- **Innovative interest** in inspecting products to determine repairs required

---

**Physical Activities**


---

**Vision**  
2 Near vision

**Colour Discrimination**  
0 Not relevant

**Hearing**  
1 Limited

**Body Position**  
4 Other body positions

**Limb Co-ordination**  
1 Upper limb co-ordination

**Strength**  
2 Light

---

**Environmental Conditions**


---

**Location**  
L1 Regulated inside climate

**Hazards**  
H3 Equipment, machinery, tools

---

**Employment Requirements**


---

Education/Training  
2, 4

- Some secondary school education is usually required.
- Completion of college or other courses relevant to a particular equipment or product repair  
*or*  
completion of several months of on-the-job training is usually required.

---

**Workplaces/Employers**


---

Product specialty repair shops  
Service establishments

---

**Occupational Options**


---

Some mobility may occur among workers in this group.

Progression to supervisory positions is possible with experience.

---

**Similar Occupations Classified Elsewhere**


---

Locksmiths (in 7383 *Other Trades and Related Occupations*)

Supervisors of workers in this group (in 7219 *Contractors and Supervisors, Other Construction Trades, Installers, Repairers and Servicers*)

# 7451 Longshore Workers

Longshore workers transfer cargo throughout dock areas and onto and from ships and other vessels.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	4	4	3	4	4	3	4	3

### INTERESTS

OMi

### DATA PEOPLE THINGS (DPT)

683

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
4	0	1	4	2	4

### ENVIRONMENTAL CONDITIONS (EC)

L3, L4, H3, H8, D1, D2

### EDUCATION/TRAINING

2

## Examples of Job Titles

dockworker  
longshore worker  
longshoreman/woman  
ship loader operator  
stevedore  
tanker loader

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to transfer cargo, such as containers, crated items and pallet-mounted machinery, around docks and to move cargo within range of cranes and hoists
- **Spatial perception** to visualize relationships, movements and placement of objects when operating mechanical towers to load vessels with materials such as coal and ore
- **Motor co-ordination and manual dexterity** to connect hoses and operate equipment to transfer liquid materials into storage tanks on vessels
- **Objective interest in driving** industrial trucks, tractors and other mobile equipment to transfer cargo; and in operating equipment, winches and other hoisting devices to transfer bulk materials such as grain to the holds of vessels, and to load and unload cargo on and off ships and other vessels
- **Methodical interest** in **comparing** to open and close hatches and in cleaning holds of ships
- **Innovative interest** in performing other activities, such as lashing, shoring and rigging cargo, aboard ships

---

**Physical Activities**


---

**Vision**

- 4 Total visual field

**Colour Discrimination**

- 0 Not relevant

**Hearing**

- 1 Limited

**Body Position**

- 4 Other body positions

**Limb Co-ordination**

- 2 Multiple limb co-ordination

**Strength**

- 4 Heavy

---

**Environmental Conditions**


---

**Location**

- L3 Outside  
L4 In a vehicle or cab

**Hazards**

- H3 Equipment, machinery, tools  
H8 Dangerous locations

**Discomforts**

- D1 Noise  
D2 Vibration

---

**Employment Requirements**


---

**Education/Training**

2

- Some secondary school education may be required.
- On-the-job training is provided.

---

**Workplaces/Employers**


---

Marine cargo handling companies

Shipping agencies

Shipping lines

---

**Occupational Options**


---

Progression to foreman/woman or supervisor of longshore workers is possible with experience.

---

**Similar Occupations Classified Elsewhere**


---

Longshore crane operators (in 7371 *Crane Operators*)

*Material Handlers* (7452)

Supervisors of longshore workers (in 7217 *Contractors and Supervisors, Heavy Construction Equipment Crews*)



# 7452.1 Material Handlers (Manual)

Material handlers (manual) handle, move, load and unload materials by hand.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
4	4	4	4	4	4	3	4	3

### INTERESTS

MOi

### DATA PEOPLE THINGS (DPT)

686

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
3	0	1	4	2	4

### ENVIRONMENTAL CONDITIONS (EC)

L1, L2, L3

### EDUCATION/TRAINING

2, +

## Examples of Job Titles

bin filler  
coal handler  
freight handler (except air transport)  
furniture mover  
lumber piler – building supplies  
material handler  
railway car loader  
stockpiler  
storage worker – material handling  
truck loader  
warehouseman/woman

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to understand loading schedules and instructions
- **Motor co-ordination and manual dexterity** to load, unload and move products and materials by hand and by using basic material handling equipment
- **Methodical interest** in **comparing** information to perform other material handling activities such as counting, weighing, sorting, packing and unpacking
- **Objective interest** in **feeding – offbearing** to move household appliances and furniture on and off moving trucks and vans
- **Innovative interest** in arranging articles in vans to form compact loads and in securing articles to prevent damage and breakage

**Physical Activities**

Vision  
3 Near and far vision

Colour Discrimination  
0 Not relevant

Hearing  
1 Limited

Body Position  
4 Other body positions

Limb Co-ordination  
2 Multiple limb co-ordination

Strength  
4 Heavy

**Environmental Conditions**

Location  
L1 Regulated inside climate  
L2 Unregulated inside climate  
L3 Outside

**Employment Requirements**

Education/Training  
2, +

- Some secondary school education may be required.
- Physical strength is required for manual material handlers who work with heavy materials.

**Workplaces/Employers**

Manufacturing and processing companies  
Retail and wholesale warehouses  
Transportation, storage and moving companies

**Similar Occupations Classified Elsewhere**

Freight attendants (in 7437 *Air Transport Ramp Attendants*)

*Heavy Equipment Operators (Except Crane)* (7421)

*Longshore Workers* (7451)

*Storekeepers and Parts Clerks* (1472)

Supervisors of material handlers (in 7217 *Contractors and Supervisors, Heavy Construction Equipment Crews*)

Warehouse supervisors (in 1215 *Supervisors, Recording, Distributing and Scheduling Occupations*)

# 7452.2 Material Handlers (Equipment Operators)

Material handlers (equipment operators) handle, move, load and unload materials by using a variety of material handling equipment.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
4	4	4	4	4	4	3	4	3

### INTERESTS

OMi

### DATA PEOPLE THINGS (DPT)

684

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
3	0	1	4	2	3

### ENVIRONMENTAL CONDITIONS (EC)

L1, L2, L3, L4, H1\*, H3, D1, D2

### EDUCATION/TRAINING

2

## Examples of Job Titles

conveyor console operator  
forklift truck operator  
freight handler (except air transport)  
material handler

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to operate winches and other loading devices to load and unload materials on and off trucks, railway cars and loading docks of warehouses and industrial establishments
- **Motor co-ordination and manual dexterity** to connect hoses and pipes; to operate equipment to load and unload liquid petroleum, chemical and other products into and from tank cars, tank trucks and storage tanks; and to operate equipment to load and unload materials such as coal, ore and grain into and from railway cars, trucks and other vehicles
- **Objective interest in operating** winches and other loading devices, industrial trucks, tractors, conveyors, loaders and other equipment to transport materials, grain and other materials from transportation vehicles to storage tanks, elevators, bins and other storage areas
- **Methodical interest in comparing** information to transport materials to and from transportation vehicles and loading docks, and to store and retrieve materials in warehouses; may assist in taking inventory and weighing and checking materials, opening containers and crates and filling warehouse orders
- **Innovative interest** in performing minor repairs to conveyors and other loading and unloading equipment

---

**Physical Activities**

---

**Vision**

- 3 Near and far vision

**Colour Discrimination**

- 0 Not relevant

**Hearing**

- 1 Limited

**Body Position**

- 4 Other body positions

**Limb Co-ordination**

- 2 Multiple limb co-ordination

**Strength**

- 3 Medium

---

**Environmental Conditions**

---

**Location**

- L1 Regulated inside climate  
L2 Unregulated inside climate  
L3 Outside  
L4 In a vehicle or cab

**Hazards**

- H1\* Dangerous chemical substances  
H3 Equipment, machinery, tools

**Discomforts**

- D1 Noise  
D2 Vibration

---

**Employment Requirements**

---

**Education/Training**

2

- Some secondary school education may be required.

---

**Workplaces/Employers**

---

Manufacturing and processing companies

Retail and wholesale warehouses

Transportation, storage and moving companies

---

**Similar Occupations Classified Elsewhere**

---

Freight attendants (in 7437 *Air Transport Ramp Attendants*)

*Heavy Equipment Operators (Except Crane)* (7421)

*Longshore Workers* (7451)

*Storekeepers and Parts Clerks* (1472)

Supervisors of material handlers (in 7217 *Contractors and Supervisors, Heavy Construction Equipment Crews*)

Warehouse supervisors (in 1215 *Supervisors, Recording, Distributing and Scheduling Occupations*)

---

**Remarks**

---

\*Environmental Conditions

- For some occupations in this group, **Hazards H1** (Dangerous chemical substances) may also apply.

# 7611 Construction Trades Helpers and Labourers

Construction trades helpers and labourers assist skilled tradespersons and perform labouring activities at construction sites.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
4	4	4	4	4	5	4	4	4

### INTERESTS

MOI

### DATA PEOPLE THINGS (DPT)

674

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
3	0	1	4	1	4

### ENVIRONMENTAL CONDITIONS (EC)

L2, L3, H1\*, H3, H6, H8, D1, D2, D3, D4

### EDUCATION/TRAINING

1, 2, R

## Examples of Job Titles

asphalt spreader  
bricklayer helper  
carpenter helper  
concrete mixer helper  
construction helper  
construction labourer  
demolition worker  
drywall sander  
flagman/woman  
glazier helper  
labourer, concrete paving  
labourer, excavation  
pipeline mandrel operator  
plumber helper  
roofer helper  
stabber – pipeline construction

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to assist tradespersons, such as carpenters, bricklayers, cement finishers, roofers and glaziers, in construction activities, to help heavy equipment operators secure special attachments to equipment, to guide operators in moving equipment, and to provide assistance in other activities
- **Spatial perception** to erect and dismantle concrete forms, scaffolding, ramps, catwalks, shoring and barricades
- **Form perception** to level earth to fine grade specifications using rakes and shovels
- **Motor co-ordination and manual dexterity** to load and unload construction materials, to move materials to work areas, to mix, pour and spread materials, such as concrete and asphalt, and to oil and grease hoists and similar equipment
- **Methodical interest** in **comparing** to sort, clean and pile salvaged materials; in removing rubble and other debris using rakes, shovels, wheelbarrows and other equipment; in cleaning up chemical spills and other contaminants, and removing asbestos and other hazardous materials; and in directing traffic at, or near, construction sites
- **Objective interest** in **operating** pneumatic hammers, vibrators and tampers; and in tending and feeding machines and equipment such as mixers, compressors and pumps
- **Innovative interest** in **assisting** to drill and blast rock, to align pipes and perform related activities during oil and gas pipeline construction and to demolish buildings using prying bars and other tools

## Physical Activities

### Vision

- 3 Near and far vision

### Colour Discrimination

- 0 Not relevant

### Hearing

- 1 Limited

### Body Position

- 4 Other body positions

### Limb Co-ordination

- 1 Upper limb co-ordination

### Strength

- 4 Heavy

## Environmental Conditions

### Location

- L2 Unregulated inside climate  
L3 Outside

### Hazards

- H1\* Dangerous chemical substances  
H3 Equipment, machinery, tools  
H6 Flying particles, falling objects  
H8 Dangerous locations

### Discomforts

- D1 Noise  
D2 Vibration  
D3 Odours  
D4 Non-toxic dusts

## Employment Requirements

### Education/Training

- 1, 2, R

- Some experience as a general construction labourer may be required for construction trade helpers.
- Some pipeline workers, such as stabbers, mandrel operators and pre-heater tenders, usually require one season of experience in oil and gas pipeline construction.
- Flagmen/women may require a traffic control certificate.

## Workplaces/Employers

Construction companies

Trade and labour contractors

## Occupational Options

Mobility is possible among workers in this group.

## Similar Occupations Classified Elsewhere

*Other Trades Helpers and Labourers*  
(7612)

*Public Works and Maintenance Labourers*  
(7621)

## Remarks

\*Environmental Conditions

- For some occupations in this group, Hazards H1 (Dangerous chemical substances) may also apply.



# 7612 Other Trades Helpers and Labourers

Other trades helpers and labourers, not elsewhere classified, assist skilled tradespersons and perform labouring activities in the installation, maintenance and repair of industrial machinery, refrigeration, heating and air conditioning equipment; in the maintenance and repair of transportation and heavy equipment, in the installation and repair of telecommunication and power cables; and in other repair and service work settings.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
4	4	4	4	4	4	3	4	3

### INTERESTS

OMs

### DATA PEOPLE THINGS (DPT)

674

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
3	0*	1	4	1	3*

### ENVIRONMENTAL CONDITIONS (EC)

L1, L2\*, L3\*, H1\*, H3, H4\*, H8\*, D1\*, D3\*, D4

### EDUCATION/TRAINING

2

## Examples of Job Titles

aerial spraying assistant  
aircraft mechanic helper  
cable installer helper  
diesel mechanic helper  
ground worker – telecommunications  
mechanic's helper – automotive  
millwright helper  
refrigeration mechanic helper  
splicer helper – telecommunications  
surveyor helper

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to assist skilled tradespersons in the installation, maintenance and repair of industrial machinery and other equipment, and to perform other labouring and elemental tasks
- **Motor co-ordination and manual dexterity** to move tools, equipment and other materials to and from work areas, and to assist in land-surveying activities such as holding and moving stakes and rods, clearing brush and debris and transporting surveying tools to work areas
- **Objective interest in operating** tools and equipment to assist skilled tradespersons with mechanical, electrical and body repairs of aircraft, railway cars, automobiles, heavy equipment and motorcycles
- **Methodical interest in comparing** information to mix fertilizers, herbicides and pesticides and to load mixtures into airplanes for aerial spraying; in assisting to splice overhead and underground communications and electric-power transmission cables
- **Social interest in assisting** skilled tradespersons to repair electrical appliances, small engines and other similar equipment; and to repair, maintain and install industrial machinery and equipment, refrigeration, heating and air-conditioning equipment, elevators, and stationary electric-power generating and distribution equipment



## Physical Activities

Vision  
3 Near and far vision

Colour Discrimination  
0\* Not relevant

Hearing  
1 Limited

Body Position  
4 Other body positions

Limb Co-ordination  
1 Upper limb co-ordination

Strength  
3\* Medium

## Environmental Conditions

Location  
L1 Regulated inside climate  
L2\* Unregulated inside climate  
L3\* Outside

Hazards  
H1\* Dangerous chemical substances  
H3 Equipment, machinery, tools  
H4\* Electricity  
H8\* Dangerous locations

Discomforts  
D1\* Noise  
D3\* Odours  
D4 Non-toxic dusts

## Employment Requirements

Education/Training  
2

- Some secondary school education may be required.
- On-the-job training is provided.

## Workplaces/Employers

Manufacturing, utility and service companies

## Occupational Options

There is little or no mobility between occupations in this group.

## Similar Occupations Classified Elsewhere

*Construction Trades Helpers and Labourers (7611)*

## Remarks

\*Physical Activities

- For some occupations in this group, Colour Discrimination 1 (Relevant) and Strength 4 (Heavy) may also apply.

\*Environmental Conditions

- For some occupations in this group, Location L2 (Unregulated inside climate) and L3 (Outside), Hazards H1 (Dangerous chemical substances), H4 (Electricity) and H8 (Dangerous locations) and Discomforts D1 (Noise) and D3 (Odours) may also apply.

# 7621     Public Works and Maintenance Labourers

Public works and maintenance labourers perform a variety of labouring activities to maintain sidewalks, streets, roads and similar areas.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
4	4	5	4	4	5	4	4	4

### INTERESTS

Moi

### DATA PEOPLE THINGS (DPT)

674

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
3	0	1	4	2	4

### ENVIRONMENTAL CONDITIONS (EC)

L3, H1\*, H3, D1\*, D2\*, D3\*, D4\*

### EDUCATION/TRAINING

1, 2

## Examples of Job Titles

garbage collector  
municipal labourer  
parking meter collector  
public works labourer  
road maintenance worker  
sewer maintenance worker  
sidewalk cleaner

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to clean and maintain sidewalks, streets, roads and public grounds of municipalities and other areas as members of crews
- **Form perception** to load and unload trucks with supplies and equipment and to collect and load refuse on garbage trucks
- **Motor co-ordination** to shovel cement and other materials into cement mixers, to spread concrete and asphalt on road surfaces using shovels, rakes and hand tampers, and to perform other activities to assist in the maintenance and repair of roads
- **Finger dexterity** to collect money from coin boxes of parking meters along established routes
- **Manual dexterity** to spread sand and salt on sidewalks for snow and ice control; to dig ditches and trenches using shovels and other hand tools; to cut trees, trim branches, rake leaves, apply fertilizers and insecticides by hand; and to water public lawns, trees and shrubs
- **Methodical interest** in **comparing** to sweep debris and shovel snow from streets, building grounds and other areas; and in loading snow and debris into carts or trucks
- **Objective interest** in **operating** jackhammers and drills to break up pavement and power mowers and cutters to cut lawns and grass along roadsides; may operate mobile sidewalk-cleaning equipment
- **Innovative interest** in **assisting** with routine maintenance and repair of equipment; in assisting equipment operators to secure attachments to equipment and trucks, and in assisting skilled tradespersons such as carpenters, plumbers and mechanics

## Physical Activities

### Vision

3 Near and far vision

### Colour Discrimination

0 Not relevant

### Hearing

1 Limited

### Body Position

4 Other body positions

### Limb Co-ordination

2 Multiple limb co-ordination

### Strength

4 Heavy

## Environmental Conditions

### Location

L3 Outside

### Hazards

H1\* Dangerous chemical substances

H3 Equipment, machinery, tools

### Discomforts

D1\* Noise

D2\* Vibration

D3\* Odours

D4\* Non-toxic dusts

## Employment Requirements

### Education/Training

1, 2

- Several weeks of on-the-job training are provided.

## Workplaces/Employers

Municipal, provincial and federal government public works departments

Private contractors under contract to governments

## Occupational Options

Progression to supervisory positions or to public works maintenance equipment operator positions is possible with experience.

## Similar Occupations Classified Elsewhere

Construction labourers (in 7611  
*Construction Trades Helpers and Labourers*)

Park maintenance labourer (in 8612  
*Landscaping and Grounds Maintenance Labourers*)

*Public Works Maintenance Equipment Operators* (7422)

*Railway and Motor Transport Labourers* (7622)

## Remarks

\*Environmental Conditions

- For some occupations in this group, **Hazards** H1 (Dangerous chemical substances) and **Discomforts** D1 (Noise), D2 (Vibration), D3 (Odours) and D4 (Non-toxic dusts) may also apply.

# 7622.1 Railway Labourers

Railway labourers perform a variety of tasks to assist track maintenance workers and railway yard workers.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
4	4	5	4	4	5	4	4	4

### INTERESTS

OMs

### DATA PEOPLE THINGS (DPT)

677

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
3	0	1	4	1	4

### ENVIRONMENTAL CONDITIONS (EC)

L3, H3, D1

### EDUCATION/TRAINING

2

## Examples of Job Titles

car checker, railway  
railway labourer  
signal gang helper

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to understand and follow instructions concerning track maintenance
- **Motor co-ordination and manual dexterity** to cut vegetation growth from tracks using scythes and mowers
- **Objective interest in handling** push and hand cars to transport tools and equipment
- **Methodical interest** in **comparing** to check freight cars for physical damage and cleanliness
- **Social interest** in **assisting** railway track maintenance workers to lay, maintain and repair railway tracks

---

## Physical Activities

---

**Vision**  
3 Near and far vision

**Colour Discrimination**  
0 Not relevant

**Hearing**  
1 Limited

**Body Position**  
4 Other body positions

**Limb Co-ordination**  
1 Upper limb co-ordination

**Strength**  
4 Heavy

---

## Environmental Conditions

---

**Location**  
L3 Outside

**Hazards**  
H3 Equipment, machinery, tools

**Discomforts**  
D1 Noise

---

## Employment Requirements

---

**Education/Training**  
2

- Some secondary school education is usually required.

---

## Workplaces/Employers

---

Railway transport companies

---

## Occupational Options

---

With experience, railway labourers may progress to railway track maintenance workers or railway yard workers.

---

## Similar Occupations Classified Elsewhere

---

*Material Handlers (7452)*

Rail car oilers and greasers (in 7431  
*Railway Yard Workers*)

*Railway Track Maintenance Workers*  
(7432)

# 7622.2 Motor Transport Labourers

Motor transport labourers perform a variety of tasks to assist motor transport operators.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
4	4	5	4	4	5	4	4	4

### INTERESTS

MOs

### DATA PEOPLE THINGS (DPT)

677

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
3	1	1	4	1	4

### ENVIRONMENTAL CONDITIONS (EC)

L1, L2, L3

### EDUCATION/TRAINING

2

## Examples of Job Titles

delivery truck helper  
furniture mover helper  
mover helper  
truck driver helper

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to understand and follow instructions concerning material handling and packaging
- **Motor co-ordination** and **finger and manual dexterity** to load and stack material, tie bundles and affix labels to packaging
- **Methodical interest** in **comparing** information to sort articles by condition, size, shape and colour
- **Objective interest** in **handling** to perform labouring duties in warehouses
- **Social interest** in **assisting** truck and delivery drivers to load and unload vehicles

## Physical Activities

### Vision

- 3 Near and far vision

### Colour Discrimination

- 1 Relevant

### Hearing

- 1 Limited

### Body Position

- 4 Other body positions

### Limb Co-ordination

- 1 Upper limb co-ordination

### Strength

- 4 Heavy

## Environmental Conditions

### Location

- L1 Regulated inside climate
- L2 Unregulated inside climate
- L3 Outside

## Employment Requirements

### Education/Training

- 2

- Some secondary school education is usually required.

## Workplaces/Employers

Motor transport companies

## Similar Occupations Classified Elsewhere

*Material Handlers (7452)*

Rail car oilers and greasers (in 7431  
*Railway Yard Workers*)





## **Occupations Unique to Primary Industry**



## Occupations Unique to Primary Industry

### **MAJOR GROUP 82**

#### **SKILLED OCCUPATIONS IN PRIMARY INDUSTRY**

##### **821 Supervisors, Logging and Forestry**

8211 Supervisors, Logging and Forestry

##### **822 Supervisors, Mining, Oil and Gas**

8221 Supervisors, Mining and Quarrying

8222 Supervisors, Oil and Gas Drilling and Service

##### **823 Underground Miners, Oil and Gas Drillers and Related Workers**

8231 Underground Production and Development Miners

8232 Oil and Gas Well Drillers, Servicers, Testers and Related Workers

8232.1 Oil and Gas Well Drillers and Well Servicers

8232.2 Oil and Gas Well Loggers, Testers and Related Workers

##### **824 Logging Machinery Operators**

8241 Logging Machinery Operators

8241.1 Cable Yarding System Operators

8241.2 Mechanical Harvester and Forwarder Operators

8241.3 Mechanical Tree Processor and Loader Operators

##### **825 Contractors, Operators and Supervisors in Agriculture, Horticulture and Aquaculture**

8251 Farmers and Farm Managers

8252 Agricultural and Related Service Contractors and Managers

8253 Farm Supervisors and Specialized Livestock Workers

8253.1 Farm Supervisors

8253.2 Specialized Livestock Workers

8254 Nursery and Greenhouse Operators and Managers

8255 Landscaping and Grounds Maintenance Contractors and Managers

8256 Supervisors, Landscape and Horticulture

8257 Aquaculture Operators and Managers

##### **826 Fishing Vessel Masters and Skippers and Fishermen/women**

8261 Fishing Masters and Officers

8262 Fishing Vessel Skippers and Fishermen/women

## **MAJOR GROUP 84**

### **INTERMEDIATE OCCUPATIONS IN PRIMARY INDUSTRY**

#### **841 Mine Service Workers and Operators in Oil and Gas Drilling**

- 8411 Underground Mine Service and Support Workers
- 8412 Oil and Gas Well Drilling Workers and Services Operators
  - 8412.1 Oil and Gas Well Drilling Workers
  - 8412.2 Oil and Gas Well Services Operators

#### **842 Logging and Forestry Workers**

- 8421 Chainsaw and Skidder Operators
- 8422 Silviculture and Forestry Workers

#### **843 Agriculture and Horticulture Workers**

- 8431 General Farm Workers
- 8432 Nursery and Greenhouse Workers

#### **844 Other Fishing and Trapping Occupations**

- 8441 Fishing Vessel Deckhands
- 8442 Trappers and Hunters
  - 8442.1 Trappers
  - 8442.2 Hunters

## **MAJOR GROUP 86**

### **LABOURERS IN PRIMARY INDUSTRY**

#### **861 Primary Production Labourers**

- 8611 Harvesting Labourers
- 8612 Landscaping and Grounds Maintenance Labourers
- 8613 Aquaculture and Marine Harvest Labourers
  - 8613.1 Aquaculture Support Workers
  - 8613.2 Marine Plant Gatherers
  - 8613.3 Shellfish Harvesters
- 8614 Mine Labourers
- 8615 Oil and Gas Drilling, Servicing and Related Labourers
- 8616 Logging and Forestry Labourers



# 8211 Supervisors, Logging and Forestry

Supervisors in this group supervise and co-ordinate the activities of workers engaged in logging and silvicultural operations.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	3	3	3	4	3	4	4	4

### INTERESTS

DSi

### DATA PEOPLE THINGS (DPT)

138

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
3	0	2	3	0	1

### ENVIRONMENTAL CONDITIONS (EC)

L1, L3, H1\*, H8, D1, D4

### EDUCATION/TRAINING

5+, 6+, R

## Examples of Job Titles

forest operations supervisor

forestry crew supervisor

hook tender

logging contractor

logging foreman/woman

production supervisor – logging

silviculture supervisor

woods foreman/woman

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to supervise and co-ordinate the activities of logging and forestry workers, often in several work locations over several square kilometres
- **Verbal ability** to communicate with technical, professional and management forestry personnel regarding harvesting and management plans, procedures and schedules
- **Clerical perception** to prepare production and other reports
- **Directive interest in supervising** silvicultural activities such as scarification, planting and vegetation control, ensuring that government regulations are met; and in hiring and training new workers
- **Social interest** in training new workers and instructing workers in safety, recognition of unsafe work conditions and modification of work procedures
- **Innovative interest in co-ordinating** information to resolve work problems and recommend measures to improve work methods, and to schedule work crews, equipment and transportation for several work locations



---

**Physical Activities**


---

Vision  
3 Near and far vision

Colour Discrimination  
0 Not relevant

Hearing  
2 Verbal interaction

Body Position  
3 Sitting, standing, walking

Limb Co-ordination  
0 Not relevant

Strength  
1 Limited

---

**Environmental Conditions**


---

Location  
L1 Regulated inside climate  
L3 Outside

Hazards  
H1\* Dangerous chemical substances  
H8 Dangerous locations

Discomforts  
D1 Noise  
D4 Non-toxic dusts

---

**Employment Requirements**


---

Education/Training  
5+, 6+, R

- Completion of secondary school is usually required.
- Completion of a one- to three-year college program for forestry technologists or technicians may be required.
- Formal company training and several months of on-the-job training are provided.
- Several years of experience as a logger, silvicultural worker, or logging machinery operator are usually required.
- A chemical application licence may be required.
- An industrial first aid certificate may be required.

---

**Workplaces/Employers**


---

Government agencies

Logging companies

Logging contractors

---

**Similar Occupations Classified Elsewhere**


---

*Chainsaw and Skidder Operators* (8421)

*Forestry Technologists and Technicians* (2223)

Logging and forestry managers (in 0811 *Primary Production Managers (Except Agriculture)*)

*Logging Machinery Operators* (8241)

*Silviculture and Forestry Workers* (8422)

---

**Remarks**


---

\*Environmental Conditions

- For some occupations in this group, **Hazards H1** (Dangerous chemical substances) may also apply.

# 8221 Supervisors, Mining and Quarrying

Supervisors in this group supervise and co-ordinate the activities of workers engaged in underground and surface mining operations and quarries.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	3	4	3	3	4	4	4	4

### INTERESTS

DSi

### DATA PEOPLE THINGS (DPT)

138

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
3	0	2	3	0	1

### ENVIRONMENTAL CONDITIONS (EC)

L1, L2, L3, H8, D1, D4

### EDUCATION/TRAINING

4+, 6+, 7+, R

## Examples of Job Titles

fill foreman/woman  
foreman/woman, underground mine  
level boss  
mine captain  
mine foreman/woman  
shift boss  
supervisor, mine  
supervisor, quarry  
supervisor, surface mine  
track boss  
yard boss

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to establish methods to meet work schedules and recommend measures to improve productivity
- **Verbal ability** to train workers in job duties, safety procedures and company policies, to recommend personnel actions such as hirings and promotions, and to prepare production and other reports
- **Spatial and form perception** to oversee the safety of mining and quarrying operations
- **Directive interest in supervising** the activities of heavy equipment operators, drillers, blasters and other workers in surface mining and quarrying, and of workers who extract coal, minerals and ore, operate underground conveyances and perform other services in support of underground mining; and in requisitioning materials and supplies
- **Social interest** in conferring with managerial and technical personnel, other departments and contractors to resolve problems and co-ordinate activities
- **Innovative interest in co-ordinating** and scheduling the activities of workers; and in resolving work problems

## Physical Activities

Vision  
3 Near and far vision

Colour Discrimination  
0 Not relevant

Hearing  
2 Verbal interaction

Body Position  
3 Sitting, standing, walking

Limb Co-ordination  
0 Not relevant

Strength  
1 Limited

## Environmental Conditions

Location  
L1 Regulated inside climate  
L2 Unregulated inside climate  
L3 Outside

Hazards  
H8 Dangerous locations

Discomforts  
D1 Noise  
D4 Non-toxic dusts

## Employment Requirements

Education/Training  
4+, 6+, 7+, R

- Completion of secondary school is required.
- Completion of a college or university program in mining technology or engineering may be required for some positions in this group.
- Several years of experience in the occupations supervised is usually required.
- Provincial certification as an underground mine supervisor, shift boss or coal mining supervisor may be required.

## Workplaces/Employers

Coal, metal and non-metallic mineral mines

Quarries

## Occupational Options

There is mobility between employers, especially for supervisors with post-secondary diplomas or degrees.

Mobility between surface mining, underground mining, coal or metal mining sectors may be somewhat limited by differences in production technologies and licensing requirements.

## Similar Occupations Classified Elsewhere

*Drillers and Blasters – Surface Mining, Quarrying and Construction (7372)*

*Heavy Equipment Operators (Except Crane) (7421)*

*Mine Labourers (8614)*

*Mine managers (in 0811 Primary Production Managers (Except Agriculture))*

*Underground Mine Service and Support Workers (8411)*

*Underground Production and Development Miners (8231)*

# 8222 Supervisors, Oil and Gas Drilling and Service

Supervisors in this group supervise and co-ordinate the activities of workers engaged in drilling for oil or gas, operating service rigs, and providing oil and gas well services.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	3	3	3	4	4	3	4	3

### INTERESTS

Dio

### DATA PEOPLE THINGS (DPT)

138

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
3	0	2	3	0	1

### ENVIRONMENTAL CONDITIONS (EC)

L1, L3, H1\*, H8, D1, D3

### EDUCATION/TRAINING

4+, 6+, R

## Examples of Job Titles

fracturing supervisor  
multi-service operator  
rig manager  
toolpusher  
well services crew supervisor

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to establish methods to meet work schedules, to co-ordinate activities with other departments and to recommend measures to improve productivity
- **Verbal ability** to train workers in job duties, safety procedures and company policies, to recommend personnel actions, such as hirings and promotions, and to prepare production and other reports
- **Directive interest in supervising** the activities of workers who drill for oil and gas, operate service rigs and provide oil and gas well services; and in requisitioning materials and supplies
- **Innovative interest in co-ordinating** and scheduling the activities of workers; and in resolving work problems
- **Objective interest** in understanding the functioning of equipment and machinery used in oil and gas drilling and services; may set up machines and equipment

## Physical Activities

**Vision**  
3 Near and far vision

**Colour Discrimination**  
0 Not relevant

**Hearing**  
2 Verbal interaction

**Body Position**  
3 Sitting, standing, walking

**Limb Co-ordination**  
0 Not relevant

**Strength**  
1 Limited

## Environmental Conditions

**Location**  
L1 Regulated inside climate  
L3 Outside

**Hazards**  
H1\* Dangerous chemical substances  
H8 Dangerous locations

**Discomforts**  
D1 Noise  
D3 Odours

## Employment Requirements

**Education/Training**  
4+, 6+, R

- Completion of secondary school is required.
- Completion of college or Petroleum Industry Training Service (PITS) courses is required.
- Extensive experience of up to eight years in the occupations supervised is required.
- A two-year college diploma in Petroleum Engineering Technology may be required.
- Certificates in first aid, hydrogen sulphide awareness, blowout prevention, well control, workplace hazardous materials information system (WHMIS), transportation of dangerous goods (TDG), or other safety and technical subjects are required and are obtained by completing short courses.

## Workplaces/Employers

Drilling and well service contractors  
Petroleum producing companies

## Occupational Options

There is little mobility for supervisors from well services to well drilling.

## Similar Occupations Classified Elsewhere

*Oil and Gas Well Drillers, Servicers, Testers and Related Workers (8232)*

*Oil and Gas Well Drilling Workers and Services Operators (8412)*

*Primary Production Managers (Except Agriculture) (0811)*

## Remarks

\*Environmental Conditions

- For some occupations in this group, **Hazards H1** (Dangerous chemical substances) may also apply.

# 8231     Underground Production and Development Miners

Underground production and development miners drill, blast, operate mining machinery and perform related duties to extract coal and ore in underground mines, and to construct tunnels, passageways and shafts to facilitate mining operations.

Profile Summary										Examples of Job Titles													
APTITUDES										blaster – underground mining chute blaster diamond driller – underground mining drift miner driller – underground mining faceman/woman – coal mine hoist operator – underground mining jumbo drill operator miner mining machine operator mucking machine operator raise miner roadheader operator scooptram operator shaft inspector shot firer													
G	V	N	S	P	Q	K	F	M															
3	4	4	3	3	4	3	3	3															
INTERESTS																							
OIM																							
DATA PEOPLE THINGS (DPT)																							
662																							
PHYSICAL ACTIVITIES (PA)																							
V	C	H	B	L	S																		
3	0	1	4	1	3																		
ENVIRONMENTAL CONDITIONS (EC)																							
L2, H1*, H3, H6, H8, D1, D2, D4																							
EDUCATION/TRAINING																							
4, 5, R																							

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to set up and operate mining machinery to shear coal, rock and ore from working faces, and to perform duties required to ensure safety and to support the mining advance
- **Spatial and form perception** to set up and operate drills and drilling machines to produce designated patterns of blasting holes
- **Motor co-ordination and finger and manual dexterity** to scale loose rock from walls and roofs, to drill and install rock bolts, to extend and install air and water pipes, to operate ore loading machinery and to construct timber supports and cribbing
- **Objective interest in controlling** the operations of diamond drills and other specialized drills, such as raise-boring machinery, to test geological formations and produce underground passageways
- **Innovative interest in comparing** information to load explosives, set fuses and detonate explosives to produce desired blasting patterns and rock fragmentation in underground mines
- **Methodical interest in signalling** to crew to ensure safety and to support the mining advance; in performing routine maintenance of mining machinery; and in loading and hauling ore from stopes, drifts and drawpoints to ore passes using scooptrams, load-haul-dump (LHD) machines and mucking machines



## Physical Activities

**Vision**  
3 Near and far vision

**Colour Discrimination**  
0 Not relevant

**Hearing**  
1 Limited

**Body Position**  
4 Other body positions

**Limb Co-ordination**  
1 Upper limb co-ordination

**Strength**  
3 Medium

## Environmental Conditions

**Location**  
L2 Unregulated inside climate

**Hazards**  
H1\* Dangerous chemical substances  
H3 Equipment, machinery, tools  
H6 Flying particles, falling objects  
H8 Dangerous locations

**Discomforts**  
D1 Noise  
D2 Vibration  
D4 Non-toxic dusts

## Employment Requirements

**Education/Training**  
4, 5, R

- Completion of secondary school is usually required.
- Formal training of up to six weeks, followed by extended periods of specialized training as a helper or in support occupations is usually provided.
- Previous experience as a mine labourer or in other mine occupations is usually required.
- Provincial blasting licence may be required.
- May be certified in the basic common core program or as an underground hard rock miner in Ontario.
- Trade certification for miners is available, but voluntary in Quebec and Manitoba.
- Company licensing or certification is often required for occupations in this group.

## Workplaces/Employers

Coal, metal and non-metallic mineral underground mines

Specialized contractors in mine construction, shaft sinking and tunnelling

## Occupational Options

Progression to mining supervisor is possible with experience.

Mobility is possible to other occupational groups in underground mining such as underground service and support occupations.

There is mobility between employers within each of the three following sectors: underground coal mining, underground hard rock mining and underground potash, salt or soft rock mining.

Mobility between these sectors is somewhat limited by differences in production technologies.

## Similar Occupations Classified Elsewhere

*Drillers and Blasters – Surface Mining, Quarrying and Construction (7372)*

*Mine Labourers (8614)*

*Supervisors, Mining and Quarrying (8221)*

*Underground Mine Service and Support Workers (8411)*

## Remarks

\*Environmental Conditions

- For some occupations in this group, **Hazards H1** (Dangerous chemical substances) may also apply.



# 8232.1 Oil and Gas Well Drillers and Well Servicers

Oil and gas well drillers and well servicers control the operation of drilling and hoisting equipment on drilling and service rigs, and direct the activities of the rig crew under supervision of the rig manager.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	3	4	4	4	4	3	4	3

### INTERESTS

ODm

### DATA PEOPLE THINGS (DPT)

362

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
4	0	2	4	1	3

### ENVIRONMENTAL CONDITIONS (EC)

L3, H1, H3, H6, H8, D1, D2, D3, D5

### EDUCATION/TRAINING

4+, 6+, R

## Examples of Job Titles

assistant driller  
directional drilling operator  
downhole tool operator  
driller – oil and gas drilling  
service rig operator

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to understand the functioning of equipment and machinery to oversee drilling and service rig operations, and to direct the activities of the rig crew under the supervision of the rig manager
- **Verbal ability** to train and arrange for training of crew
- **Objective interest** in **controlling** the operations of drilling and service rig drilling and hoisting machinery
- **Directive interest** in **speaking** with members of rig crew to direct them in setting up rigs, drilling and completing and servicing oil and gas exploration and producing wells
- **Methodical interest** in **compiling** information to maintain records of drilling and servicing operations

## Physical Activities

### Vision

- 4 Total visual field

### Colour Discrimination

- 0 Not relevant

### Hearing

- 2 Verbal interaction

### Body Position

- 4 Other body positions

### Limb Co-ordination

- 1 Upper limb co-ordination

### Strength

- 3 Medium

## Environmental Conditions

### Location

- L3 Outside

### Hazards

- H1 Dangerous chemical substances
- H3 Equipment, machinery, tools
- H6 Flying particles, falling objects
- H8 Dangerous locations

### Discomforts

- D1 Noise
- D2 Vibration
- D3 Odours
- D5 Wetness

## Employment Requirements

### Education/Training

- 4+, 6+, R

- Completion of secondary school is usually required.
- Oil and gas well drillers and well servicers require three to six months of formal on-the-job training, college or Petroleum Industry Training Service (PITS) courses and four or more years of work experience in subordinate rig crew positions.
- A college diploma in drilling may be required.
- Offshore work requires several years of experience in an equivalent position on land.
- Certificates in first aid, hydrogen sulphide awareness, blowout prevention, well control, workplace hazardous materials information system (WHMIS), transportation of dangerous goods (TDG) and a special oil well operator certificate are required.
- Provincial blaster licence, seismic blaster and oil well blaster certification are required for well perforation services.

## Workplaces/Employers

Drilling and well service contractors

Petroleum producing companies

## Occupational Options

Progression to crew supervisors or managers is possible with experience and additional education and training.

Mobility between jobs on drilling and service rigs is limited by the differences in the machinery, tools and operations performed, but mobility is possible especially from drilling to service rigs.

## Similar Occupations Classified Elsewhere

*Oil and Gas Well Drilling Workers and Services Operators (8412)*

*Supervisors, Oil and Gas Drilling and Service (8222)*

*Water Well Drillers (7373)*

# 8232.2 Oil and Gas Well Loggers, Testers and Related Workers

Oil and gas well loggers, testers and related workers operate specialized mechanical and electronic equipment, tools and instruments to provide services in conjunction with well drilling, completion and servicing.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	3	4	3	4	4	3	4	3

### INTERESTS

OMi

### DATA PEOPLE THINGS (DPT)

382

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
4	1	1	4	2	3

### ENVIRONMENTAL CONDITIONS (EC)

L3, L4, H1, H3, H8, D1, D3

### EDUCATION/TRAINING

4+, 6+, R

## Examples of Job Titles

drill stem tester  
electric line operator  
logging and perforating operator  
slickline operator  
well testing operator  
wireline operator

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to understand the function of equipment and machinery, and to operate recorders and computers in mobile testing and logging units to collect data in order to provide services in conjunction with well drilling, completion and servicing
- **Spatial perception** to lower, position and retrieve equipment and instruments
- **Motor co-ordination and manual dexterity** to assemble and attach equipment, tools and recorders to drill stems and wirelines
- **Objective interest in controlling** the operation of wirelines, unit controls, and equipment and instruments in mobile testing and logging units
- **Methodical interest** in driving well service and wireline trucks to well sites
- **Innovative interest in compiling** information to direct the operations of wireline and unit controls to conduct required procedures and tests; may perform limited data interpretation

## Physical Activities

**Vision**  
4 Total visual field

**Colour Discrimination**  
1 Relevant

**Hearing**  
1 Limited

**Body Position**  
4 Other body positions

**Limb Co-ordination**  
2 Multiple limb co-ordination

**Strength**  
3 Medium

## Environmental Conditions

**Location**  
L3 Outside  
L4 In a vehicle or cab

**Hazards**  
H1 Dangerous chemical substances  
H3 Equipment, machinery, tools  
H8 Dangerous locations

**Discomforts**  
D1 Noise  
D3 Odours

## Employment Requirements

**Education/Training**  
4+, 6+, R

- Completion of secondary school is usually required.
- Oil and gas well loggers, testers and related workers require three to six months of formal on-the-job training and several years experience in subordinate logging and testing positions or on drilling and servicing rigs.
- Completion of a college program in electronics or engineering technology may be required for open-hole well logging.
- Certificates in first aid, hydrogen sulphide awareness, blowout prevention, well control, workplace hazardous materials information system (WHMIS), transportation of dangerous goods (TDG) and a special oil well operator certificate are required.
- Provincial blaster licence, seismic blaster and oil well blaster certification are required for well perforation services.

## Workplaces/Employers

Well logging or testing companies

## Occupational Options

Progression to crew supervisors or managers is possible with experience and additional education and training.

Mobility between jobs on drilling and service rigs is limited by the differences in the machinery, tools and operations performed, but mobility is possible especially from drilling to service rigs.

## Similar Occupations Classified Elsewhere

*Oil and Gas Well Drilling Workers and Services Operators (8412)*

*Supervisors, Oil and Gas Drilling and Service (8222)*

*Water Well Drillers (7373)*

# 8241.1 Cable Yarding System Operators

Cable yarding system operators run cable yarding systems to yard trees at logging sites.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	4	5	3	4	5	3	4	3

### INTERESTS

Omi

### DATA PEOPLE THINGS (DPT)

683

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
4	0	1	4	2	4

### ENVIRONMENTAL CONDITIONS (EC)

L3, L4, H3, H6, H8, D1, D2, D3, D4

### EDUCATION/TRAINING

2+, 4+, R

## Examples of Job Titles

grapple operator – logging  
linehorse operator  
rigging slinger  
steel spar operator  
yarder operator

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to understand and apply the techniques of sorting, hoisting and moving logs, and to understand the operations of mobile equipment and boats
- **Spatial perception** to observe relative paths and positions of moving logs, and to operate and drive mobile logging equipment
- **Motor co-ordination** to drive and operate mobile logging equipment and to balance while working on log booms and climbing log piles
- **Manual dexterity** to move hand controls of logging equipment and to use hand and power tools
- **Objective interest in driving – operating** machines to transport trees from logging areas to landing and log-loading sites in mountainous terrain; and in assisting mechanics with major breakdowns and dismantling equipment
- **Methodical interest in comparing** information to clean and maintain yarder machinery; and in ensuring proper equipment conditions and normal operations
- **Innovative interest** in making minor repairs

---

## Physical Activities

---

### Vision

- 4 Total visual field

### Colour Discrimination

- 0 Not relevant

### Hearing

- 1 Limited

### Body Position

- 4 Other body positions

### Limb Co-ordination

- 2 Multiple limb co-ordination

### Strength

- 4 Heavy

---

## Environmental Conditions

---

### Location

- L3 Outside
- L4 In a vehicle or cab

### Hazards

- H3 Equipment, machinery, tools
- H6 Flying particles, falling objects
- H8 Dangerous locations

### Discomforts

- D1 Noise
- D2 Vibration
- D3 Odours
- D4 Non-toxic dusts

---

## Employment Requirements

---

### Education/Training

- 2+, 4+, R

- Completion of secondary school may be required.
- On-the-job training from three to sixteen months is provided, depending on the complexity of machinery operated and the type of woodlands operation.
- Experience requirements vary depending on the complexity of machinery operated.
- Cable yarder operators usually require three to five years of logging experience.
- Certification as a heavy equipment operator may be required.
- Company certification for mobile logging machinery operation may be required.
- Provincial air brake certification may be required in British Columbia, depending on the type of equipment operated.
- Workplace hazardous materials information system (WHMIS) and St. John's first aid certification may be required.
- Knowledge of tree harvesting regulations is required.

---

## Workplaces/Employers

---

Logging companies

Logging contractors

---

## Occupational Options

---

There is some mobility among jobs in this group from the less complex to more complex machinery operation.

There is some mobility between employers, particularly in similar types of woodland operations.

Progression to logging and forestry supervisory positions is possible with experience.

Self-employment as a logging contractor is possible with investment in equipment.

Logging machinery operators may perform minor repairs and maintenance on their equipment.

---

## Similar Occupations Classified Elsewhere

---

*Chainsaw and Skidder Operators* (8421)

*Heavy Equipment Operators (Except Crane)* (7421)

*Silviculture and Forestry Workers* (8422)

*Supervisors, Logging and Forestry* (8211)

*Truck Drivers* (7411)



# 8241.2 Mechanical Harvester and Forwarder Operators

Mechanical harvester and forwarder operators use equipment to fell and process trees at logging sites.

## Profile Summary

APTITUDES								
G	V	N	S	P	Q	K	F	M
3	4	5	3	4	5	3	4	3
INTERESTS								
Omi								
DATA PEOPLE THINGS (DPT)								
683								
PHYSICAL ACTIVITIES (PA)								
V	C	H	B	L	S			
4	0	1	3	2	4			
ENVIRONMENTAL CONDITIONS (EC)								
L3, L4, H3, H6, H8, D1, D2, D3, D4								
EDUCATION/TRAINING								
2+, 4+, R								

## Examples of Job Titles

feller buncher operator  
feller forwarder operator  
shortwood harvester operator  
treelength forwarder operator

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to assess site and terrain to apply correct and safe procedures while driving heavy equipment in logging areas
- **Spatial perception** to visualize area and direction of falling trees to avoid injury to personnel and other trees
- **Objective interest in driving – operating** heavy equipment to perform a combination of felling, slashing, bucking, bunching and forwarding operations in logging areas
- **Methodical interest in comparing** information to regulate rate of machine operation and to ensure logs are cut to specified lengths
- **Innovative interest** in servicing machinery and making minor repairs



## Physical Activities

**Vision**  
4 Total visual field

**Colour Discrimination**  
0 Not relevant

**Hearing**  
1 Limited

**Body Position**  
3 Sitting, standing, walking

**Limb Co-ordination**  
2 Multiple limb co-ordination

**Strength**  
4 Heavy

## Environmental Conditions

**Location**  
L3 Outside  
L4 In a vehicle or cab

**Hazards**  
H3 Equipment, machinery, tools  
H6 Flying particles, falling objects  
H8 Dangerous locations

**Discomforts**  
D1 Noise  
D2 Vibration  
D3 Odours  
D4 Non-toxic dusts

## Employment Requirements

**Education/Training**  
2+, 4+, R

- Completion of secondary school may be required.
- On-the-job training from three to sixteen months is provided, depending on the complexity of machinery operated and the type of woodlands operation.
- Experience requirements vary depending on the complexity of machinery operated.
- Mechanical harvester and forwarder operators may require logging experience as a chainsaw and skidder operator.
- Feller buncher operators usually require three to five years of logging experience.
- Certification as a heavy equipment operator may be required.
- Company certification for mobile logging machinery operation may be required.
- Provincial air brake certification may be required in British Columbia, depending on the type of equipment operated.
- Workplace hazardous materials information system (WHMIS) and St. John's first aid certification may be required.
- Knowledge of tree harvesting regulations is required.

## Workplaces/Employers

Logging companies  
Logging contractors

## Occupational Options

There is some mobility among jobs in this group from the less complex to more complex machinery operation.

There is some mobility between employers, particularly in similar types of woodland operations.

Progression to logging and forestry supervisory positions is possible with experience.

Self-employment as a logging contractor is possible with investment in equipment.

Logging machinery operators may perform minor repairs and maintenance on their equipment.

## Similar Occupations Classified Elsewhere

*Chainsaw and Skidder Operators (8421)*

*Heavy Equipment Operators (Except Crane) (7421)*

*Silviculture and Forestry Workers (8422)*

*Supervisors, Logging and Forestry (8211)*

*Truck Drivers (7411)*

# 8241.3 Mechanical Tree Processor and Loader Operators

Mechanical tree processor and loader operators run machinery to process and load trees at logging sites.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	4	5	3	4	5	3	4	3

### INTERESTS

Omi

### DATA PEOPLE THINGS (DPT)

684

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
4	0	1	3	2	4

### ENVIRONMENTAL CONDITIONS (EC)

L3, L4, H3, H6, H8, D1, D2, D3, D4

### EDUCATION/TRAINING

2, 4, R

## Examples of Job Titles

chipping machine operator  
delimber operator  
loader operator – logging  
log processor operator  
slasher operator – logging

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to understand and apply correct and safe procedures for operating tree processing and loading machinery
- **Spatial perception** to visualize amount of area required to manoeuvre and operate tree processing equipment
- **Objective interest** in operating a variety of machines that perform a combination of slashing, bucking, chipping, sorting and loading logs and trees at landing sites
- **Methodical interest** in comparing information to position felled whole and delimbed trees for processing
- **Innovative interest** in servicing machinery and making minor repairs

## Physical Activities

### Vision

- 4 Total visual field

### Colour Discrimination

- 0 Not relevant

### Hearing

- 1 Limited

### Body Position

- 3 Sitting, standing, walking

### Limb Co-ordination

- 2 Multiple limb co-ordination

### Strength

- 4 Heavy

## Environmental Conditions

### Location

- L3 Outside  
L4 In a vehicle or cab

### Hazards

- H3 Equipment, machinery, tools  
H6 Flying particles, falling objects  
H8 Dangerous locations

### Discomforts

- D1 Noise  
D2 Vibration  
D3 Odours  
D4 Non-toxic dusts

## Employment Requirements

### Education/Training

- 2, 4, R

- Completion of secondary school may be required.
- On-the-job training from three to sixteen months is provided, depending on the complexity of machinery operated and the type of woodlands operation.
- Experience requirements vary depending on the complexity of machinery operated.
- Mechanical tree processor and loader operators usually require one to three years of logging experience.
- Certification as a heavy equipment operator may be required.
- Company certification for mobile logging machinery operation may be required.
- Provincial air brake certification may be required in British Columbia, depending on the type of equipment operated.
- Workplace hazardous materials information system (WHMIS) and St. John's first aid certification may be required.
- Knowledge of tree harvesting regulations is required.

## Workplaces/Employers

Logging companies

Logging contractors

## Occupational Options

There is some mobility among jobs in this group from the less complex to more complex machinery operation.

There is some mobility between employers, particularly in similar types of woodland operations.

Progression to logging and forestry supervisory positions is possible with experience.

Self-employment as a logging contractor is possible with investment in equipment.

Logging machinery operators may perform minor repairs and maintenance on their equipment.

## Similar Occupations Classified Elsewhere

*Chainsaw and Skidder Operators* (8421)

*Heavy Equipment Operators (Except Crane)* (7421)

*Silviculture and Forestry Workers* (8422)

*Supervisors, Logging and Forestry* (8211)

*Truck Drivers* (7411)

# 8251     Farmers and Farm Managers

Farmers and farm managers manage the operations and functions of farms, such as growing crops, raising and breeding livestock, poultry and other animals and marketing farm products.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	3	3	4	3	4	3	4	3

### INTERESTS

DMO

### DATA PEOPLE THINGS (DPT)

133

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
3	0	2	4	2	3

### ENVIRONMENTAL CONDITIONS (EC)

L1, L3, L4\*, H1, H2\*, H3, D3, D4

### EDUCATION/TRAINING

1+, 6+

## Examples of Job Titles

- apiarist
- apple grower
- breeder, domestic animals
- chicken farmer
- dairy farmer
- feedlot manager
- fruit farmer
- fur farmer
- grape grower
- hog breeder
- horse breeder
- market gardener
- potato farmer
- rancher
- seed grower
- sod farmer
- vegetable grower
- vineyard manager
- wheat farmer

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to manage the operation of farms, ranches and orchards
- **Verbal ability** to establish marketing programs
- **Numerical ability** to develop and keep financial and production records
- **Directive interest** in **supervising** and hiring farm workers; and in determining amounts and kinds of crops to be grown and livestock to be raised, and in purchasing farm machinery, livestock, seed, feed and other supplies
- **Methodical interest** in **co-ordinating** information to plant, cultivate and harvest crops; and in raising and breeding livestock and poultry
- **Objective interest** in **driving – operating** and maintaining farm machinery, equipment and buildings

## Physical Activities

### Vision

- 3 Near and far vision

### Colour Discrimination

- 0 Not relevant

### Hearing

- 2 Verbal interaction

### Body Position

- 4 Other body positions

### Limb Co-ordination

- 2 Multiple limb co-ordination

### Strength

- 3 Medium

## Environmental Conditions

### Location

- L1 Regulated inside climate  
L3 Outside  
L4\* In a vehicle or cab

### Hazards

- H1 Dangerous chemical substances  
H2\* Biological agents  
H3 Equipment, machinery, tools

### Discomforts

- D3 Odours  
D4 Non-toxic dusts

## Employment Requirements

### Education/Training

- 1+, 6+

- Extensive farming experience (obtained as a farmer, farm supervisor or specialized livestock worker or by working on a family farm) is usually required.
- A college diploma in agriculture may be required.

## Workplaces/Employers

Farms

Self-employment

## Similar Occupations Classified Elsewhere

*Agricultural and Related Service Contractors and Managers* (8252)

*Farm Supervisors and Specialized Livestock Workers* (8253)

*Nursery and Greenhouse Operators and Managers* (8254)

*Supervisors, Landscape and Horticulture* (8256)

## Remarks

Farmers and farm managers may manage farms specialized in particular crops such as wheat, apples or potatoes, or raise particular livestock such as beef cattle, hogs or chickens.

### \*Environmental Conditions

- For some occupations in this group, **Location** L4 (In a vehicle or cab) and **Hazards** H2 (Biological agents) may also apply.

8252

Agricultural and Related Service Contractors and Managers

Agricultural contractors and managers operate establishments that provide agricultural services such as livestock and poultry breeding, soil preparation, crop planting, crop spraying, cultivating and harvesting.

Profile Summary

APTITUDES								
G	V	N	S	P	Q	K	F	M
3	4	4	3	4	4	3	4	3
INTERESTS								
OMi								
DATA PEOPLE THINGS (DPT)								
117								
PHYSICAL ACTIVITIES (PA)								
V	C	H	B	L	S			
3	0	2	3	0	1			
ENVIRONMENTAL CONDITIONS (EC)								
L1, H1*, H2*, H3*								
EDUCATION/TRAINING								
1+, 4+, R								

Examples of Job Titles

artificial inseminator  
crop dusting contractor  
livestock breeding service manager  
manager, artificial insemination service  
manager, crop harvesting service

Descriptor Profile

Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to manage businesses that provide livestock services, such as artificial insemination, spraying and shearing of livestock, and disinfecting of pens, barns and poultry houses; and that provide crop services such as plowing, irrigating, cultivating, spraying and harvesting

- **Objective interest** in **handling** machinery and equipment; and in participating in the provision of services
- **Methodical interest** in **co-ordinating** and maintaining financial and operational records; and in hiring and training workers

- **Innovative interest** in **negotiating** with farmers and farm managers regarding services



### Physical Activities

**Vision**  
3 Near and far vision

**Colour Discrimination**  
0 Not relevant

**Hearing**  
2 Verbal interaction

**Body Position**  
3 Sitting, standing, walking

**Limb Co-ordination**  
0 Not relevant

**Strength**  
1 Limited

### Environmental Conditions

**Location**  
L1 Regulated inside climate

**Hazards**  
H1\* Dangerous chemical substances  
H2\* Biological agents  
H3\* Equipment, machinery, tools

### Employment Requirements

**Education/Training**  
1+, 4+, R

- Several years of experience related to the agricultural service offered are usually required.
- Contractors and managers providing certain services, such as artificial insemination and pesticide application, may require training certificates and provincial licensing.

### Workplaces/Employers

Establishments that provide agricultural services

Self-employment

### Similar Occupations Classified Elsewhere

*Farmers and Farm Managers (8251)*

*Farm Supervisors and Specialized Livestock Workers (8253)*

*Nursery and Greenhouse Operators and Managers (8254)*

*Pest Controllers and Fumigators (7444)*

*Pet Groomers and Animal Care Workers (6483)*

*Supervisors, Landscape and Horticulture (8256)*

### Remarks

\*Environmental Conditions

- For some occupations in this group, **Hazards H1** (Dangerous chemical substances), **H2** (Biological agents) and **H3** (Equipment, machinery, tools) may also apply.



# 8253.1 Farm Supervisors

Farm supervisors oversee the work of general farm workers and harvesting labourers and perform general farm duties.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	4	4	4	3	4	3	3	3

### INTERESTS

DMi

### DATA PEOPLE THINGS (DPT)

137

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
3	0	2	3	1	3

### ENVIRONMENTAL CONDITIONS (EC)

L1, L2, L3, H2\*, H3, D3

### EDUCATION/TRAINING

1, 5, 6

## Examples of Job Titles

farm foreman/woman  
farm supervisor  
feedlot foreman/woman  
hog operation supervisor  
poultry farm foreman/woman  
ranch foreman/woman  
vegetable farm foreman/woman

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to supervise the work of general farm workers and harvesting labourers and to perform general farm duties
- **Directive interest** in **supervising** and co-ordinating the work of general farm workers and harvesting labourers; and in supervising breeding programs and harvest operations
- **Methodical interest** in **handling** equipment to perform general farm duties; and in maintaining quality control and production records
- **Innovative interest** in **co-ordinating** information to develop work schedules and establish procedures

### Physical Activities

**Vision**  
3 Near and far vision

**Colour Discrimination**  
0 Not relevant

**Hearing**  
2 Verbal interaction

**Body Position**  
3 Sitting, standing, walking

**Limb Co-ordination**  
1 Upper limb co-ordination

**Strength**  
3 Medium

### Environmental Conditions

**Location**  
L1 Regulated inside climate  
L2 Unregulated inside climate  
L3 Outside

**Hazards**  
H2\* Biological agents  
H3 Equipment, machinery, tools

**Discomforts**  
D3 Odours

### Employment Requirements

**Education/Training**  
1, 5, 6

- Farm supervisors may require a college certificate or other specialized training in agriculture or livestock husbandry.

### Workplaces/Employers

General farms  
Specialized farms

### Similar Occupations Classified Elsewhere

*Agricultural and Related Service Contractors and Managers* (8252)

*Farmers and Farm Managers* (8251)

*General Farm Workers* (8431)

*Harvesting Labourers* (8611)

### Remarks

Farm supervisors may specialize in dairy, poultry, swine, beef, sheep, fruit, vegetable, mixed, speciality and equine farms.

\*Environmental Conditions

- For some occupations in this group, Hazards H2 (Biological agents) may also apply.

## 8253.2 Specialized Livestock Workers

Specialized livestock workers carry out feeding, health and breeding programs on dairy, beef, sheep, poultry, equine and hog farms, and may also supervise general farm workers and harvesting labourers.

### Profile Summary

#### APTITUDES

G	V	N	S	P	Q	K	F	M
3	4	4	4	3	4	3	3	3

#### INTERESTS

MI d

#### DATA PEOPLE THINGS (DPT)

137

#### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
3	0	1	4	2	3

#### ENVIRONMENTAL CONDITIONS (EC)

L1, L2, L3, H2, H3, D3

#### EDUCATION/TRAINING

1, 5, 6

### Examples of Job Titles

cattle herds person

dairy herds person

horse trainer

shepherd

swine herds person

### Descriptor Profile

#### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to carry out pasture and pen breeding programs, and to recognize and treat certain livestock health problems
- **Methodical interest** in handling equipment to perform general farm duties; and in maintaining livestock performance records and in training horses
- **Innovative interest** in co-ordinating information to formulate feeding programs
- **Directive interest** in supervising feeding, health and breeding programs; may supervise general farm workers and harvesting labourers

## Physical Activities

**Vision**  
3 Near and far vision

**Colour Discrimination**  
0 Not relevant

**Hearing**  
1 Limited

**Body Position**  
4 Other body positions

**Limb Co-ordination**  
2 Multiple limb co-ordination

**Strength**  
3 Medium

## Environmental Conditions

**Location**  
L1 Regulated inside climate  
L2 Unregulated inside climate  
L3 Outside

**Hazards**  
H2 Biological agents  
H3 Equipment, machinery, tools

**Discomforts**  
D3 Odours

## Employment Requirements

**Education/Training**  
1, 5, 6

- Specialized livestock workers may require a college certificate or other specialized training in agriculture or livestock husbandry.

## Workplaces/Employers

General farms  
Specialized farms

## Similar Occupations Classified Elsewhere

*Agricultural and Related Service Contractors and Managers (8252)*

*Farmers and Farm Managers (8251)*

*General Farm Workers (8431)*

*Harvesting Labourers (8611)*

## Remarks

Specialized livestock workers usually specialize in one type of farm animal, such as beef cattle, dairy cattle, horses or swine.

# 8254    Nursery and Greenhouse Operators and Managers

Nursery and greenhouse operators and managers plan, organize, direct and control the activities of nursery and greenhouse staff who grow and market trees, shrubs, flowers and plants.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	3	3	4	4	4	3	4	3

### INTERESTS

DMS

### DATA PEOPLE THINGS (DPT)

138

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
3	1	2	3	0	2

### ENVIRONMENTAL CONDITIONS (EC)

L1

### EDUCATION/TRAINING

6+

## Examples of Job Titles

Christmas tree farm operator  
flower grower  
greenhouse farmer  
greenhouse manager  
greenhouse operator  
nursery farmer  
nursery manager  
nursery operator  
plant grower – nursery

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to manage the operations of nurseries and greenhouses and to establish the environmental conditions required to grow trees, shrubs, flowers and plants
- **Verbal and numerical ability** to maintain records on stock, finances and personnel and to develop marketing plans
- **Directive interest in supervising** staff in planting, transplanting, feeding and spraying stock; and in hiring staff and overseeing training, in setting work schedules and in determining types and quantities of stock
- **Methodical interest in co-ordinating** information to organize nursery and greenhouse operations; and in ordering materials such as fertilizer, garden and lawn care equipment, and other nursery and greenhouse accessories
- **Social interest** in providing information to customers on gardening and the care of trees, shrubs, flowers, plants and lawns

Physical Activities

Vision  
3 Near and far vision

Colour Discrimination  
1 Relevant

Hearing  
2 Verbal interaction

Body Position  
3 Sitting, standing, walking

Limb Co-ordination  
0 Not relevant

Strength  
2 Light

Environmental Conditions

Location  
L1 Regulated inside climate

Employment Requirements

Education/Training  
6+

- Completion of a college program in horticulture is usually required.
- Experience as a nursery or greenhouse supervisor is required.

Workplaces/Employers

Greenhouses  
Nurseries

Similar Occupations Classified Elsewhere

*Nursery and Greenhouse Workers*  
(8432)  
  
*Supervisors, Landscape and Horticulture*  
(8256)  
  
Turf farmer (in 8251 *Farmers and Farm Managers*)

# 8255    Landscaping and Grounds Maintenance Contractors and Managers

Landscaping and grounds maintenance contractors and managers plan, organize, direct and control the operations of landscaping, interior plantscaping, lawn care and tree service departments and establishments.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
2	3	3	2	3	4	4	4	4

### INTERESTS

DOM

### DATA PEOPLE THINGS (DPT)

138

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
3	1	2	3	0	2

### ENVIRONMENTAL CONDITIONS (EC)

L1, L3

### EDUCATION/TRAINING

4+, 6+

## Examples of Job Titles

grounds maintenance contractor  
grounds maintenance manager  
interior plantscaping contractor  
landscape service contractor  
landscaping contractor  
landscaping manager  
lawn care manager  
lawn maintenance contractor  
tree service contractor

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to plan, organize, direct and control the operations of landscaping, interior plantscaping, lawn care and tree service establishments
- **Verbal and numerical ability** to maintain financial and personnel records and to tender bids on contracts for landscaping and grounds maintenance work
- **Spatial perception** to prepare proposals containing sketches and layouts
- **Directive interest in supervising** and hiring staff; and in controlling the operations of maintenance services
- **Objective interest** in organizing and directing the planting and maintenance of trees, gardens, lawns, shrubs and hedges, and the construction and installation of fences, decks, patios, walkways and retaining walls
- **Methodical interest in co-ordinating** information to plan and estimate the materials and labour requirements for contracts



Physical Activities

Vision  
3 Near and far vision

Colour Discrimination  
1 Relevant

Hearing  
2 Verbal interaction

Body Position  
3 Sitting, standing, walking

Limb Co-ordination  
0 Not relevant

Strength  
2 Light

Environmental Conditions

Location  
L1 Regulated inside climate  
L3 Outside

Employment Requirements

Education/Training  
4+, 6+

- A college diploma or specialized courses in landscaping and horticulture are usually required.
- Experience as a landscape or horticulture supervisor or as a landscape or horticulture technician is required.

Workplaces/Employers

Lawn care establishments  
Self-employment  
Snow removal establishments  
Tree service establishments

Similar Occupations Classified Elsewhere

*Contractors and Supervisors, Other Construction Trades, Installers, Repairers and Servicers (7219)*

*Landscape Architects (2152)*

*Landscape and Horticulture Technicians and Specialists (2225)*

*Nursery and Greenhouse Operators and Managers (8254)*

*Supervisors, Landscape and Horticulture (8256)*

# 8256 Supervisors, Landscape and Horticulture

Supervisors, landscape and horticulture supervise and co-ordinate the activities of workers in the following groups: *Landscaping and Grounds Maintenance Labourers* (8612) and *Nursery and Greenhouse Workers* (8432).

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	3	4	4	4	4	4	4	4

### INTERESTS

DSM

### DATA PEOPLE THINGS (DPT)

134

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
3	1	2	3	0	2

### ENVIRONMENTAL CONDITIONS (EC)

L1, L3, H1\*

### EDUCATION/TRAINING

4, R

## Examples of Job Titles

- cemetery foreman/woman
- greenhouse supervisor
- groundskeeper supervisor
- horticulture worker supervisor
- landscaping foreman/woman
- nursery foreman/woman
- park caretaker
- park supervisor, grounds maintenance supervisor, nursery workers
- supervisor, park labourers

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- General learning ability** to supervise and co-ordinate the activities of workers to provide landscaping and horticultural services and to establish work procedures; may perform the same duties as workers
- Verbal ability** to train workers in job duties and company policies, and to prepare progress and other reports
- Directive interest in supervising** workers who maintain lawns, gardens, athletic fields, golf courses, cemeteries, parks, interior plantscapes and other landscaped areas, who spread topsoil and lay sod, who spray, prune, cut and remove trees and shrubs, who construct landscape and landscape structures and plant, cultivate and harvest trees, shrubs, flowers and plants
- Social interest in co-ordinating** information to resolve work-related problems, to establish work schedules and to co-ordinate activities with other units
- Methodical interest in operating** equipment for landscaping and grounds maintenance; and in requisitioning supplies and materials and in submitting progress and other reports

## Physical Activities

Vision  
3 Near and far vision

Colour Discrimination  
1 Relevant

Hearing  
2 Verbal interaction

Body Position  
3 Sitting, standing, walking

Limb Co-ordination  
0 Not relevant

Strength  
2 Light

## Environmental Conditions

Location  
L1 Regulated inside climate  
L3 Outside

Hazards  
H1\* Dangerous chemical substances

## Employment Requirements

Education/Training  
4, R

- Completion of secondary school is usually required.
- Experience in the occupation supervised is required.
- A provincial licence to apply chemical fertilizers, fungicides, herbicides and pesticides may be required.

## Workplaces/Employers

Cemeteries  
Greenhouses  
Landscaping companies  
Landscaping departments of private and public sector establishments  
Lawn care companies  
Nurseries  
Snow removal establishments  
Tree service companies

## Similar Occupations Classified Elsewhere

*Landscape and Horticulture Technicians and Specialists (2225)*

*Landscape Architects (2152)*

*Landscaping and Grounds Maintenance Contractors and Managers (8255)*

*Nursery and Greenhouse Operators and Managers (8254)*

## Remarks

\*Environmental Conditions

- For some occupations in this group, Hazards H1 (Dangerous chemical substances) may also apply.

# 8257    Aquaculture Operators and Managers

Aquaculture operators and managers manage operations of facilities that cultivate and harvest fish, shellfish and marine plants for replenishment of wildlife stocks and for commercial sale.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	3	4	4	3	4	4	4	3

### INTERESTS

DMO

### DATA PEOPLE THINGS (DPT)

134

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
3	0	2	4	2	2

### ENVIRONMENTAL CONDITIONS (EC)

L1, L3, D3, D5

### EDUCATION/TRAINING

4+, 6, R

## Examples of Job Titles

aquaculture manager

aquaculture operator

fish farm manager

fish farm operator

fish farmer

fish hatchery manager

fish hatchery operator

mussel grower

oyster grower

salmon grower

trout farmer

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to manage the operations of fish hatcheries, fish farms and other aquatic farms, to co-ordinate selection and maintenance of brood stock and to scuba dive to inspect sea farm operations
- **Verbal ability** to collect and record growth and production data, to maintain financial records and to establish marketing strategies and inventory and quality control methods
- **Form perception** to conduct and supervise stock examinations to identify diseases and parasites, and to identify species' requirements
- **Directive interest in supervising** and training workers, technicians and technologists; and in selecting and overseeing preparation of sites for species cultivation, and supervising the processing of products
- **Methodical interest in co-ordinating** information to monitor environments and maintain optimum conditions, to apply prescribed medicinal substances to control and prevent infection, to determine food requirements and to structure feeding regimes
- **Objective interest in operating** and maintaining cultivating and harvesting equipment; and in designing and constructing pens, floating stations, collector strings and fences for sea farms

---

**Physical Activities**


---

**Vision**  
3 Near and far vision

**Colour Discrimination**  
0 Not relevant

**Hearing**  
2 Verbal interaction

**Body Position**  
4 Other body positions

**Limb Co-ordination**  
2 Multiple limb co-ordination

**Strength**  
2 Light

---

**Environmental Conditions**


---

**Location**  
L1 Regulated inside climate  
L3 Outside

**Discomforts**  
D3 Odours  
D5 Wetness

---

**Employment Requirements**


---

Education/Training  
4+, 6, R

- Completion of secondary school is usually required.
- A college diploma in aquaculture or a related field  
or  
several years of experience in fishing or aquaculture operations are usually required.
- A commercial aquaculture or fish hatchery licence, permit or lease is required for self-employed aquaculture operators and managers.

---

**Workplaces/Employers**


---

Commercial aquatic farms  
Public or private fish hatcheries  
Self-employment

---

**Similar Occupations Classified Elsewhere**


---

Aquaculture support workers (in 8613  
*Aquaculture and Marine Harvest Labourers*)

Aquaculture technicians (in 2221  
*Biological Technologists and Technicians*)

# 8261 Fishing Masters and Officers

Fishing masters and officers manage and operate saltwater and freshwater fishing vessels greater than 100 gross tonnes to pursue and land fish and other marine life.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	3	3	2	3	4	3	4	3

### INTERESTS

DOI

### DATA PEOPLE THINGS (DPT)

133

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
4	1	3	3	1	2

### ENVIRONMENTAL CONDITIONS (EC)

L4, H8

### EDUCATION/TRAINING

2+, 4+, R

## Examples of Job Titles

captain, fishing vessel  
captain, offshore fishing vessel  
deck officer, fishing vessel  
first mate, fishing vessel  
fishing master  
master, fishing vessel  
mate, fishing vessel  
trawler captain

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to command fishing vessels to catch fish and other marine life
- **Verbal ability** to record fishing progress, crew activities, weather and sea conditions in ships' logs
- **Numerical ability** to plot courses and compute navigational positions using compasses, charts, tables and other aids
- **Spatial perception** to interpret charts and tables
- **Directive interest** in supervising crew activities; and in directing fishing operations and in selecting and training vessel crews
- **Objective interest** in operating navigational instruments and electronic fishing aids such as colour and paper sounders; and in steering vessels
- **Innovative interest** in co-ordinating information to determine optimum fishing areas

---

**Physical Activities**


---

**Vision**

- 4 Total visual field

**Colour Discrimination**

- 1 Relevant

**Hearing**

- 3 Other sound discrimination

**Body Position**

- 3 Sitting, standing, walking

**Limb Co-ordination**

- 1 Upper limb co-ordination

**Strength**

- 2 Light

---

**Environmental Conditions**


---

**Location**

- L4 In a vehicle or cab

**Hazards**

- H8 Dangerous locations

---

**Employment Requirements**


---

**Education/Training**

2+, 4+, R

- Some secondary school education is usually required.
- One to two years of experience as a fishing vessel deckhand is required.
- Captains require one year of service as officer in charge of the watch.
- A Fishing Master's Certificate is required for all occupations in this group.
- A commercial fishing licence is required.

---

**Workplaces/Employers**


---

Establishments operating commercial fishing vessels

---

**Occupational Options**


---

Completion of Transport Canada examinations is required to advance from Fishing Master Class IV through Class I. Training programs are provided in provincial training centres.

Progression to merchant or government vessel officer positions (which require a Marine Officer Certificate) is possible with additional training and experience.

---

**Similar Occupations Classified Elsewhere**


---

*Deck Officers, Water Transport (2273)*

Fishing vessel engineers requiring a Transport Canada licence (in 2274  
*Engineer Officers, Water Transport*)

*Fishing Vessel Skippers and Fishermen/women (8262)*



# 8262     Fishing Vessel Skippers and Fishermen/women

Fishing vessel skippers and fishermen/women operate fishing vessels to pursue and land fish and other marine life.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
4	4	4	4	4	4	3	4	3

### INTERESTS

ODi

### DATA PEOPLE THINGS (DPT)

133

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
4	1	3	4	2	3

### ENVIRONMENTAL CONDITIONS (EC)

L1, L3, L4, H3, H8, D1, D3, D5

### EDUCATION/TRAINING

2+, R

## Examples of Job Titles

fisherman/woman

fishing vessel skipper

inshore fisherman/woman

lobster fisherman/woman

longliner fisherman/woman

seiner fisherman/woman

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to operate fishing vessels to pursue and catch fish and other marine life
- **Motor co-ordination and manual dexterity** to maintain engines, fishing gear and other equipment
- **Objective interest in operating** navigational instruments and fishing gear; and in steering vessels; may transport fish to processing plants and fish buyers
- **Directive interest in supervising** crews and directing fishing operations; and in selecting areas for fishing, in recording financial transactions, fishing activities, weather and sea conditions, and in estimating costs and planning budgets for each fishing season
- **Innovative interest in co-ordinating** information to plot courses and compute navigational positions using compasses, charts and other aids; and in establishing fish marketing plans

---

**Physical Activities**


---

**Vision**

- 4 Total visual field

**Colour Discrimination**

- 1 Relevant

**Hearing**

- 3 Other sound discrimination

**Body Position**

- 4 Other body positions

**Limb Co-ordination**

- 2 Multiple limb co-ordination

**Strength**

- 3 Medium

---

**Environmental Conditions**


---

**Location**

- L1 Regulated inside climate  
L3 Outside  
L4 In a vehicle or cab

**Hazards**

- H3 Equipment, machinery, tools  
H8 Dangerous locations

**Discomforts**

- D1 Noise  
D3 Odours  
D5 Wetness

---

**Employment Requirements**


---

**Education/Training**

2+, R

- Several years of experience as fishing vessel crew member or helper are usually required.
- A commercial fishing licence is required.
- Licences are required for each species of fish pursued.

---

**Workplaces/Employers**


---

Self-employed owner-operators of fishing vessels

---

**Occupational Options**


---

Progression to master or mate on fishing vessels over 100 gross tonnes is possible with additional training, licensing and experience.

---

**Similar Occupations Classified Elsewhere**


---

*Fishing Masters and Officers* (8261)

*Fishing Vessel Deckhands* (8441)

# 8411    Underground Mine Service and Support Workers

Underground mine service and support workers perform a range of duties related to the operation of ore passes, chutes and conveyor systems, the construction and support of underground structures, passages and roadways, and the supply of materials and supplies to support underground mining.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	4	4	3	4	5	3	4	3

### INTERESTS

OMd

### DATA PEOPLE THINGS (DPT)

674

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
4	0	1	4	2	4

### ENVIRONMENTAL CONDITIONS (EC)

L2, H3, H6, H8, D1, D2, D4

### EDUCATION/TRAINING

4, R

## Examples of Job Titles

backfiller  
blaster helper  
cage tender  
conveyor operator  
crusher operator  
driller helper  
haulageman/woman  
lamp keeper  
materialman/woman  
mine construction worker  
orepass tender  
pipe worker  
raise miner helper  
skip tender  
timberman/woman  
trainman/woman

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to operate and maintain ore chutes and conveyor systems to control the flow of ore and coal in underground mines
- **Motor co-ordination and manual dexterity** to attach and extend ventilation and water pipes and perform related mine services, and to supply and maintain backfill distribution of sand, rock and other materials

- **Objective interest** in **operating** construction equipment such as bulldozers, graders and backhoes to build and maintain underground passages and haulageways, in using construction and mining tools to construct and repair wood and metal supports and structures, and in operating diesel and electric track haulage equipment, such as ore trains, to distribute personnel and supplies and to convey ore from ore passes to primary crushers and skips

- **Methodical interest** in **comparing** information to maintain supply storage areas and equipment and supplies such as explosives, drill bits, fire extinguishers, lamps and batteries; and in performing routine maintenance
- **Directive interest** in **assisting** miners in setting up and operating drilling and other mining machinery

---

**Physical Activities**


---

Vision  
4 Total visual field

Colour Discrimination  
0 Not relevant

Hearing  
1 Limited

Body Position  
4 Other body positions

Limb Co-ordination  
2 Multiple limb co-ordination

Strength  
4 Heavy

---

**Environmental Conditions**


---

Location  
L2 Unregulated inside climate

Hazards  
H3 Equipment, machinery, tools  
H6 Flying particles, falling objects  
H8 Dangerous locations

Discomforts  
D1 Noise  
D2 Vibration  
D4 Non-toxic dusts

---

**Employment Requirements**


---

Education/Training  
4, R

- Completion of secondary school is usually required.
- Previous formal training of up to six weeks followed by periods of on-the-job training as a helper or in support occupations is usually required.
- Previous experience as a mine labourer is usually required.
- May be certified in the basic common core program in Ontario.
- Company licensing or certification is often required for occupations in this group.

---

**Workplaces/Employers**


---

Coal, metal and non-metallic mineral mines

---

**Occupational Options**


---

Mobility is possible to other occupational groups in underground mining.

There is mobility between employers within each of the three following sectors: underground coal mining, underground hard rock mining and underground potash, salt or soft rock mining.

Mobility between these sectors is somewhat limited by differences in production technologies.

---

**Similar Occupations Classified Elsewhere**


---

*Drillers and Blasters -- Surface Mining, Quarrying and Construction (7372)*

*Mine Labourers (8614)*

*Underground Production and Development Miners (8231)*

# 8412.1 Oil and Gas Well Drilling Workers

Oil and gas well drilling workers operate drilling and service rig machinery as intermediate members of the rig crew.

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to operate drilling and service rig machinery as members of rig crews
- **Motor co-ordination and manual dexterity** to align and manipulate sections of pipe and drill stems from platforms on rig derricks during removals and replacements of strings of pipe and drill stems and bits
- **Objective interest in controlling** and maintaining drilling mud systems and pumps during drilling and mixing of mud chemicals and additives; and in operating and maintaining diesel motors, transmissions and other mechanical equipment
- **Methodical interest in compiling** information to record mud flows and volumes and to take samples; and in assisting in setting up, taking down and transporting rigs
- **Directive interest in speaking** with floor hands and labourers to supervise their activities

## Physical Activities

**Vision**  
3 Near and far vision

**Colour Discrimination**  
0 Not relevant

**Hearing**  
1 Limited

**Body Position**  
4 Other body positions

**Limb Co-ordination**  
1 Upper limb co-ordination

**Strength**  
3 Medium

## Environmental Conditions

**Location**  
L3 Outside

**Hazards**  
H1 Dangerous chemical substances  
H3 Equipment, machinery, tools  
H6 Flying particles, falling objects  
H8 Dangerous locations

**Discomforts**  
D1 Noise  
D3 Odours  
D5 Wetness

## Employment Requirements

Education/Training  
4, R

- Completion of secondary school is required.
- One year of experience as a floorhand, assistant or labourer is usually required.
- Certificates in first aid, hydrogen sulphide awareness, blowout prevention, workplace hazardous materials information system (WHMIS), transportation of dangerous goods (TDG), cryogenic safety or in other safety concerns may be required.

## Workplaces/Employers

Drilling and well service contractors  
Petroleum producing companies

## Occupational Options

Progression to oil and gas well driller or service rig operator is possible with experience.

## Similar Occupations Classified Elsewhere

*Oil and Gas Drilling, Servicing and Related Labourers (8615)*

*Oil and Gas Well Drillers, Servicers, Testers and Related Workers (8232)*

*Supervisors, Oil and Gas Drilling and Service (8222)*

# 8412.2 Oil and Gas Well Services Operators

Oil and gas well services operators drive trucks and operate specialized hydraulic pumping systems to place cement in wells and to treat wells with chemicals, sand mixtures and gases to stimulate production.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	4	4	4	4	4	3	4	3

### INTERESTS

OMi

### DATA PEOPLE THINGS (DPT)

583

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
4	1	1	4	2	3

### ENVIRONMENTAL CONDITIONS (EC)

L3, L4, H1, H3, H6, H8, D1, D3, D5

### EDUCATION/TRAINING

4, R

## Examples of Job Titles

acid truck driver  
cementer  
chemical services operator  
coiled tubing operator  
formation fracturing operator  
nitrogen operator  
pumper operator

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to drive well services trucks and operate specialized hydraulic pumping systems to place cement in wells and to treat wells with chemicals, sand mixtures and gases to stimulate production
- **Motor co-ordination and manual dexterity** to assemble pumping equipment and to attach pumps and hoses to wellheads
- **Directive interest** in **driving** trucks to well sites and in operating systems to pump chemicals, gases, sand, cement and other materials into wells
- **Methodical interest** in monitoring pressure, density, rate and concentration during pumping operations
- **Innovative interest** in **copying** information to read gauges to interpret conditions and adjust pumping procedures; may mix chemicals and cement



## Physical Activities

**Vision**  
4 Total visual field

**Colour Discrimination**  
1 Relevant

**Hearing**  
1 Limited

**Body Position**  
4 Other body positions

**Limb Co-ordination**  
2 Multiple limb co-ordination

**Strength**  
3 Medium

## Environmental Conditions

**Location-**  
L3 Outside  
L4 In a vehicle or cab

**Hazards**  
H1 Dangerous chemical substances  
H3 Equipment, machinery, tools  
H6 Flying particles, falling objects  
H8 Dangerous locations

**Discomforts**  
D1 Noise  
D3 Odours  
D5 Wetness

## Employment Requirements

Education/Training  
4, R

- Completion of secondary school is required.
- Training of up to three months with an experienced operator is required for oil and gas well services operators.
- One year of experience as a floorhand, assistant or labourer is usually required.
- Certificates in first aid, hydrogen sulphide awareness, blowout prevention, workplace hazardous materials information system (WHMIS), transportation of dangerous goods (TDG), cryogenic safety or in other safety concerns may be required.

## Workplaces/Employers

Drilling and well service contractors  
Petroleum producing companies

## Occupational Options

Progression to oil and gas well driller or service rig operator is possible with experience.

Progression to supervisor of well services is possible for gas and oil well services operators.

## Similar Occupations Classified Elsewhere

*Oil and Gas Drilling, Servicing and Related Labourers (8615)*

*Oil and Gas Well Drillers, Servicers, Testers and Related Workers (8232)*

*Supervisors, Oil and Gas Drilling and Service (8222)*

# 8421 Chainsaw and Skidder Operators

Chainsaw and skidder operators operate chain saws to fell, delimb and buck trees, and operate skidders to move and yard the felled trees from logging sites to landing areas for processing and transportation.

## Profile Summary

APTITUDES								
G	V	N	S	P	Q	K	F	M
4	4	5	3	4	5	3	4	3
INTERESTS								
OMi								
DATA PEOPLE THINGS (DPT)								
683								
PHYSICAL ACTIVITIES (PA)								
V	C	H	B	L	S			
4	0	1	4	2	4			
ENVIRONMENTAL CONDITIONS (EC)								
L3, L4*, H3, H6, H8, D1, D2, D3, D4								
EDUCATION/TRAINING								
2, 4, 5, 6, R								

## Examples of Job Titles

bucker  
chainsaw operator  
faller  
feller  
forest worker – logging  
grapple skidder operator  
landingman/woman  
pieceworker – logging  
skidder operator

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to operate chain saws to fell, delimb and buck trees, and operate skidders to move and yard the felled trees from logging sites to landing areas for processing and transportation
- **Spatial perception** to assess sites, terrain and weather before felling and yarding trees
- **Objective interest** in **driving** skidders to push trees and logs into bunches and drag logs to roadside loading areas; and in operating chain saws
- **Methodical interest** in moving and yarding felled trees using cable and grapple skidders
- **Innovative interest** in **comparing** information to service, maintain and make minor repairs to skidders, chain saws and other equipment; may work as members of teams rotating between chainsaw and skidder operations

## Physical Activities

Vision  
4 Total visual field

Colour Discrimination  
0 Not relevant

Hearing  
1 Limited

Body Position  
4 Other body positions

Limb Co-ordination  
2 Multiple limb co-ordination

Strength  
4 Heavy

## Environmental Conditions

Location  
L3 Outside  
L4\* In a vehicle or cab

Hazards  
H3 Equipment, machinery, tools  
H6 Flying particles, falling objects  
H8 Dangerous locations

Discomforts  
D1 Noise  
D2 Vibration  
D3 Odours  
D4 Non-toxic dusts

## Employment Requirements

Education/Training  
2, 4, 5, 6, R

- Completion of secondary school may be required.
- Completion of a college program for forest workers may be required.
- Formal training in chain saw operation and maintenance and several months of on-the-job training are usually provided.
- Previous experience as a logging and forestry labourer or logging machine operator may be required. Experience requirements vary depending on the type and location of woodlands operations.
- Provincial certification or a forest worker program certificate is required in some provinces.
- Trade certification for fallers is available, but voluntary in Quebec.
- Workplace hazardous materials information system (WHMIS) and St. John's first aid certificates may be required.

## Workplaces/Employers

Logging companies  
Logging contractors

## Occupational Options

There is a trend toward company certification of chainsaw operators in larger companies.

There is some mobility among jobs within this group as chainsaw and skidder operators often work in teams and rotate jobs.

Mobility may be limited from eastern and central forest zones to western forest zones where tree size or steep terrain may require different cutting and yarding methods.

Mobility is possible to logging machinery operators.

Progression to supervisory positions or self-employment as a logging contractor is possible with experience.

## Similar Occupations Classified Elsewhere

*Logging and Forestry Labourers* (8616)

Logging contractors and supervisors (in 8211 *Supervisors, Logging and Forestry*)

*Logging Machinery Operators* (8241)

*Silviculture and Forestry Workers* (8422)

## Remarks

Chainsaw operators often must own and maintain their own chain saw.

\*Environmental Conditions

- For some occupations in this group, Location L4 (In a vehicle or cab) may also apply.

# 8422 Silviculture and Forestry Workers

Silviculture and forestry workers perform a variety of duties related to reforestation and to the management, improvement and conservation of forest lands.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	4	4	4	4	4	3	4	3

### INTERESTS

OMi

### DATA PEOPLE THINGS (DPT)

583

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
4	0	1	4	2	4

### ENVIRONMENTAL CONDITIONS (EC)

L3, L4\*, H1, H3, H6, H7, H8, D1, D2, D3, D4

### EDUCATION/TRAINING

2, 5, 6, R

## Examples of Job Titles

clearing saw operator  
forest firefighter  
forestry crew person  
forestry worker  
pieceworker – silviculture  
scarification equipment operator  
silviculture worker  
spacing saw operator  
thinning saw operator

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to assess sites and select seedlings, and to perform duties related to reforestation, management, improvement and conservation of forest lands
- **Verbal ability** to complete firefighting reports
- **Motor co-ordination and manual dexterity** to plant trees using manual planting tools, and to dig trenches, cut trees and pump water on burning areas to fight forest fires
- **Objective interest in driving – operating** skidders, bulldozers and other prime movers to pull scarification and site preparation equipment over areas to be regenerated; and in operating power thinning saws to thin and space trees in reforestation areas and chain saws to thin young forest stands
- **Methodical interest in copying** information to control weeds and undergrowth using manual tools and chemicals; in performing silvicultural duties such as collecting seed cones, pruning trees and marking trees for subsequent operations; and in maintaining firefighting equipment
- **Innovative interest** in assisting in planting surveys; and in fighting forest fires under the direction of fire suppression officers and forestry technicians

---

**Physical Activities**


---

**Vision**

- 4 Total visual field

**Colour Discrimination**

- 0 Not relevant

**Hearing**

- 1 Limited

**Body Position**

- 4 Other body positions

**Limb Co-ordination**

- 2 Multiple limb co-ordination

**Strength**

- 4 Heavy

---

**Environmental Conditions**


---

**Location**

- L3 Outside  
L4\* In a vehicle or cab

**Hazards**

- H1 Dangerous chemical substances  
H3 Equipment, machinery, tools  
H6 Flying particles, falling objects  
H7 Fire, steam, hot surfaces  
H8 Dangerous locations

**Discomforts**

- D1 Noise  
D2 Vibration  
D3 Odours  
D4 Non-toxic dusts

---

**Employment Requirements**


---

**Education/Training**

2, 5, 6, R

- Completion of secondary school may be required.
- Completion of a college or other specialized program for silviculture workers or forestry crew workers may be required.
- Formal training in power saw operation and maintenance and several months of on-the-job training are usually provided.
- Experience as a logging and forestry labourer may be required.
- A chemicals application licence is required.
- Workplace hazardous materials information system (WHMIS) and transportation of dangerous goods (TDG) certificates may be required.
- A silvicultural worker's licence may be required.

---

**Workplaces/Employers**


---

Government services

Logging companies

Logging contractors

---

**Occupational Options**


---

There is some mobility among jobs in this group.

Progression to supervisory positions is possible with experience.

Progression to forestry technician or technologist is possible with additional education and training.

---

**Similar Occupations Classified Elsewhere**


---

Arborists (in 2225 *Landscape and Horticulture Technicians and Specialists*)

*Chainsaw and Skidder Operators* (8421)

Forest nursery workers (in 8432 *Nursery and Greenhouse Workers*)

*Forestry Professionals* (2122)

*Forestry Technologists and Technicians* (2223)

*Logging and Forestry Labourers* (8616)

*Supervisors, Logging and Forestry* (8211)

---

**Remarks**


---

\*Environmental Conditions

- For some occupations in this group, Location L4 (In a vehicle or cab) may also apply.

# 8431 General Farm Workers

General farm workers plant, cultivate and harvest crops, raise livestock and poultry, and maintain and repair farm equipment and buildings. This group includes operators of farm machinery.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
4	4	4	4	4	4	3	4	3

### INTERESTS

MOI

### DATA PEOPLE THINGS (DPT)

683

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
3	1	1	4	2	3

### ENVIRONMENTAL CONDITIONS (EC)

L1, L2, L3, L4, H1, H2, H3, D1, D2, D3, D4

### EDUCATION/TRAINING

1, 4, 6

## Examples of Job Titles

beef cattle farm worker  
cattle ranch labourer  
dairy farm worker  
farm machinery operator  
general farm worker  
grain farm worker  
harvester machine operator  
hatchery worker  
poultry farm worker  
vegetable farm worker

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to plant, cultivate and harvest crops, raise livestock and poultry, and maintain and repair farm equipment and buildings
- **Motor co-ordination and manual dexterity** to plant, fertilize, cultivate, spray, irrigate and harvest crops; and to milk cows
- **Methodical interest in comparing** information to examine produce for quality and prepare for market, to feed and tend livestock and poultry, and to clean stables, barns, barnyards and pens; and to set and monitor water lines, air flow and temperature in barns, pens and chicken coops
- **Objective interest in driving – operating** and maintaining farm machinery and equipment
- **Innovative interest** in detecting disease and health problems in crops, livestock and poultry



---

**Physical Activities**


---

**Vision**

- 3 Near and far vision

**Colour Discrimination**

- 1 Relevant

**Hearing**

- 1 Limited

**Body Position**

- 4 Other body positions

**Limb Co-ordination**

- 2 Multiple limb co-ordination

**Strength**

- 3 Medium

---

**Environmental Conditions**


---

**Location**

- L1 Regulated inside climate  
L2 Unregulated inside climate  
L3 Outside  
L4 In a vehicle or cab

**Hazards**

- H1 Dangerous chemical substances  
H2 Biological agents  
H3 Equipment, machinery, tools

**Discomforts**

- D1 Noise  
D2 Vibration  
D3 Odours  
D4 Non-toxic dusts

---

**Employment Requirements**


---

**Education/Training**

- 1, 4, 6

- There are no specific education or training requirements. However, a college certificate or specialized courses related to farming, such as farm equipment mechanics, agricultural welding, tree pruning and pesticide application, are available.
- Basic farm knowledge, usually obtained from working on a family farm, may be required for employment.

---

**Workplaces/Employers**


---

Crop farms

Fruit and vegetable farms

Livestock farms

Specialty farms

---

**Occupational Options**


---

Progression to supervisory positions is possible with experience.

---

**Similar Occupations Classified Elsewhere**


---

*Agricultural and Related Service Contractors and Managers (8252)*

*Farm Supervisors and Specialized Livestock Workers (8253)*

*Farmers and Farm Managers (8251)*

*Harvesting Labourers (8611)*

---

**Remarks**


---

General farm workers can become specialized in a particular type of crop or livestock production through experience.



# 8432    Nursery and Greenhouse Workers

Nursery and greenhouse workers plant, cultivate and harvest trees, shrubs, flowers and plants, and serve nursery and greenhouse customers.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
4	4	4	4	4	5	3	4	3

### INTERESTS

MOi

### DATA PEOPLE THINGS (DPT)

664

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
3	1	1	4	2	3

### ENVIRONMENTAL CONDITIONS (EC)

L1, L3, H1, H3

### EDUCATION/TRAINING

2, 4, R

## Examples of Job Titles

forest nursery worker  
greenhouse worker  
hothouse worker  
hydroponics worker  
nursery worker

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to plant, cultivate and harvest trees, shrubs, flowers and plants and to serve nursery and greenhouse customers
- **Motor co-ordination and manual dexterity** to dig, cut and transplant trees, shrubs, flowers and plants and prepare them for sale, and to clean working area
- **Methodical interest in speaking** to provide information to customers on gardening and the care of trees, shrubs, flowers, plants and lawns; and in maintaining inventory and order materials
- **Objective interest in operating** equipment to spray against disease and pests; and in positioning and regulating greenhouse and outdoor irrigation systems; may operate tractors and other machinery and equipment to fertilize, cultivate, harvest and spray
- **Innovative interest in comparing** information to prepare soil and plant bulbs, seeds and cuttings; and in grafting and budding plants and in transplanting seedlings and rooted cuttings

## Physical Activities

### Vision

- 3 Near and far vision

### Colour Discrimination

- 1 Relevant

### Hearing

- 1 Limited

### Body Position

- 4 Other body positions

### Limb Co-ordination

- 2 Multiple limb co-ordination

### Strength

- 3 Medium

## Environmental Conditions

### Location

- L1 Regulated inside climate
- L3 Outside

### Hazards

- H1 Dangerous chemical substances
- H3 Equipment, machinery, tools

## Employment Requirements

### Education/Training

2, 4, R

- Completion of secondary school may be required.
- Completion of college courses in horticulture or a related field may be required.
- On-the-job training is provided.
- A provincial licence to apply chemical fertilizers, fungicides, herbicides and pesticides may be required.

## Workplaces/Employers

Greenhouses

Indoor and outdoor nurseries

## Occupational Options

Progression to supervisory positions, such as greenhouse supervisor, is possible with experience.

## Similar Occupations Classified Elsewhere

*General Farm Workers* (8431)

*Harvesting Labourers* (8611)

*Landscaping and Grounds Maintenance Labourers* (8612)

*Nursery and Greenhouse Operators and Managers* (8254)

*Silviculture and Forestry Workers* (8422)

*Supervisors, Landscape and Horticulture* (8256)

# 8441 Fishing Vessel Deckhands

Fishing vessel deckhands perform a variety of manual tasks on commercial fishing voyages and maintain fishing vessels.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
4	4	4	4	3	5	3	4	3

### INTERESTS

MOI

### DATA PEOPLE THINGS (DPT)

684

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
3	0	1	4	2	3

### ENVIRONMENTAL CONDITIONS (EC)

L3, L4, H8, D3, D5

### EDUCATION/TRAINING

2, R

## Examples of Job Titles

crewman/woman, fishing vessel  
deckhand, seiner  
fishing vessel deckhand  
icer, fishing vessel  
netmender, fishing vessel  
trawlerman/woman

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to prepare nets, lines and other fishing tackle
- **Form perception** to observe defects in nets and other fishing equipment
- **Motor co-ordination** to handle mooring lines during docking; may steer vessels to and from fishing areas
- **Manual dexterity** to clean deck surfaces and fish holds
- **Methodical interest** in comparing information to clean, sort and pack fish in ice and stow catch in hold; may prepare and cook meals for crew members
- **Objective interest** in operating – **manipulating** fishing gear to catch fish and other marine life
- **Innovative interest** in repairing nets, splicing ropes and maintaining fishing gear and other deck equipment

---

**Physical Activities**


---

**Vision**  
3 Near and far vision

**Colour Discrimination**  
0 Not relevant

**Hearing**  
1 Limited

**Body Position**  
4 Other body positions

**Limb Co-ordination**  
2 Multiple limb co-ordination

**Strength**  
3 Medium

---

**Environmental Conditions**


---

**Location**  
L3 Outside  
L4 In a vehicle or cab

**Hazards**  
H8 Dangerous locations

**Discomforts**  
D3 Odours  
D5 Wetness

---

**Employment Requirements**


---

Education/Training  
2, R

- There are no specific educational requirements.
- On-the-job training is provided.
- Trawlermen/women require at least one year of experience.
- Fishing vessel deckhands require a commercial fishing licence.

---

**Workplaces/Employers**


---

Establishments that operate commercial fishing vessels

Self-employed fishermen/women

---

**Occupational Options**


---

Fishing vessel deckhands may progress to watchkeeper or mate positions with additional training.

Fishing vessel deckhands may become skippers upon acquiring an entry licence and a boat.

---

**Similar Occupations Classified Elsewhere**


---

*Deck Officers, Water Transport* (2273)

*Fishing Masters and Officers* (8261)

*Fishing Vessel Skippers and Fishermen/women* (8262)

# 8442.1 Trappers

Trappers snare wild animals for pelts and live sale.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
4	4	5	4	4	5	3	4	3

### INTERESTS

OMI

### DATA PEOPLE THINGS (DPT)

684

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
4	0	1	4	2	4

### ENVIRONMENTAL CONDITIONS (EC)

L3, H2, H3, H8

### EDUCATION/TRAINING

1, 4, R

## Examples of Job Titles

fur trapper  
game trapper  
trapper

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to trap live animals for sale to buyers and for relocation purposes, and to trap designated animals for bounty and other control programs
- **Motor co-ordination and manual dexterity** to kill and skin catches for pelts, and treat and pack pelts for marketing
- **Objective interest in operating** snowmobiles and travelling on foot, snowshoes and skis to patrol traplines; in maintaining and repairing equipment; and in maintaining trails and access to trapping lines
- **Methodical interest in comparing** information to remove catches and reset traps and snares; and may monitor animal population in trapping regions to ensure future sustainability
- **Innovative interest** in setting traps with bait and positioning traps along trails

## Physical Activities

Vision  
4 Total visual field

Colour Discrimination  
0 Not relevant

Hearing  
1 Limited

Body Position  
4 Other body positions

Limb Co-ordination  
2 Multiple limb co-ordination

Strength  
4 Heavy

## Environmental Conditions

Location  
L3 Outside

Hazards  
H2 Biological agents  
H3 Equipment, machinery, tools  
H8 Dangerous locations

## Employment Requirements

Education/Training  
1, 4, R

- Completion of trapping courses may be required in some provinces.
- A provincial trapping licence may be required.

## Workplaces/Employers

Self-employment

## Occupational Options

In some jurisdictions, trappers may be allocated trapping areas based on the amount of their experience.

## Similar Occupations Classified Elsewhere

Animal control trappers or nuisance control trappers (in 7444 *Pest Controllers and Fumigators*)

Hunting guides (in 6442 *Outdoor Sport and Recreation Guides*)

## Remarks

Some trappers may work on a seasonal basis.

Trappers may specialize in trapping a particular kind of animal.

# 8442.2 Hunters

Hunters catch wild animals for pelts and live sale.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
4	4	5	4	4	5	3	4	3

### INTERESTS

OMi

### DATA PEOPLE THINGS (DPT)

684

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
4	1	3	4	2	4

### ENVIRONMENTAL CONDITIONS (EC)

L3, H2, H3, H8

### EDUCATION/TRAINING

1, 4, R

## Examples of Job Titles

hunter

sealer

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to hunt wild animals for pelts and live sale; and may monitor the animal population in the hunting regions to ensure future sustainability
- **Motor co-ordination and manual dexterity** to kill wild animals using firearms and other weapons
- **Objective interest in operating** boats and snowmobiles and travelling on foot to reach hunting areas; and in maintaining hunting equipment
- **Methodical interest** in skinning animals for pelts using knives
- **Innovative interest in comparing** information to treat, pack and transport pelts to processing plants and public auctions



---

**Physical Activities**

---

**Vision**

- 4 Total visual field

---

**Colour Discrimination**

- 1 Relevant

---

**Hearing**

- 3 Other sound discrimination

---

**Body Position**

- 4 Other body positions

---

**Limb Co-ordination**

- 2 Multiple limb co-ordination

---

**Strength**

- 4 Heavy
- 

**Environmental Conditions**

---

**Location**

- L3 Outside

---

**Hazards**

- H2 Biological agents
- H3 Equipment, machinery, tools
- H8 Dangerous locations

---

**Employment Requirements**

---

**Education/Training**

- 1, 4, R

- Completion of hunting courses may be required in some provinces.
- A provincial hunting licence may be required.

---

**Workplaces/Employers**

---

Self-employment

---

**Similar Occupations Classified Elsewhere**

---

Animal control trappers or nuisance control trappers (in 7444 *Pest Controllers and Fumigators*)

Hunting guides (in 6442 *Outdoor Sport and Recreation Guides*)

---

**Remarks**

---

Some hunters may work on a seasonal basis.

Hunters may specialize in hunting a particular kind of animal.

# 8611 Harvesting Labourers

Harvesting labourers assist other farm workers to harvest, sort and pack crops.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
4	4	4	4	4	5	3	4	3

### INTERESTS

Moi

### DATA PEOPLE THINGS (DPT)

687

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
3	1	1	4	2	4

### ENVIRONMENTAL CONDITIONS (EC)

L3

### EDUCATION/TRAINING

1

## Examples of Job Titles

apple picker  
berry picker  
crop farm labourer  
fruit picker  
harvest hand  
tobacco picker  
vegetable packer

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to assist other farm workers to harvest, sort and pack crops
- **Motor co-ordination and manual dexterity** to transplant seedlings, thin row crops, pick berries and prepare produce for market, and to bag grain, pull vegetables and connect irrigation piping; and to clean up racks, trays, growing and packaging areas
- **Methodical interest** in comparing information to sort, weigh and pack fruit and vegetables at farms, and to pick row and orchard crops
- **Objective interest** in **handling**, loading, unloading and transferring crates, supplies, farm produce, livestock and poultry
- **Innovative interest** in preparing vegetable produce for market

---

**Physical Activities**


---

Vision  
3 Near and far vision

Colour Discrimination  
1 Relevant

Hearing  
1 Limited

Body Position  
4 Other body positions

Limb Co-ordination  
2 Multiple limb co-ordination

Strength  
4 Heavy

---

**Environmental Conditions**


---

Location  
L3 Outside

---

**Employment Requirements**


---

Education/Training  
1

- There are no specific education or training requirements.

---

**Workplaces/Employers**


---

Crop farms  
Fruit farms  
Livestock farms  
Specialty farms  
Vegetable farms

---

**Occupational Options**


---

Progression to other farm worker positions is possible with experience.

---

**Similar Occupations Classified Elsewhere**


---

*Farm Supervisors and Specialized Livestock Workers (8253)*

*Farmers and Farm Managers (8251)*

*General Farm Workers (8431)*

# 8612 Landscaping and Grounds Maintenance Labourers

Landscaping and grounds maintenance labourers perform manual work to assist in the construction of landscapes and related structures, and to maintain lawns, gardens, athletic fields, golf courses, cemeteries, parks, landscaped interiors and other landscaped areas.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
4	4	5	4	4	5	3	4	3

### INTERESTS

MOI

### DATA PEOPLE THINGS (DPT)

684

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
3	1	1	4	2	3

### ENVIRONMENTAL CONDITIONS (EC)

L3, H1, H3, D1, D2

### EDUCATION/TRAINING

2, R

## Examples of Job Titles

bulb planter  
cemetery labourer  
gardening helper  
golf course worker  
grass cutter  
grounds maintenance worker  
landscape labourer  
maintenance worker, parks  
sod layer  
transplanter

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to perform manual work to assist in the construction of landscapes and related structures and to maintain lawns, gardens, athletic fields, golf courses, cemeteries, parks and landscaped interiors and areas
- **Motor co-ordination and manual dexterity** to cut grass, rake, fertilize and water lawns, to weed gardens, to prune shrubs and trees and to perform other manual duties as directed by supervisors
- **Methodical interest** in spraying and dusting as directed to control insects and diseases and in performing other manual duties to clean and maintain landscaped environments
- **Objective interest in operating** power mowers, tractors, snowblowers, chainsaws, electric clippers, sod cutters, pruning saws and other equipment
- **Innovative interest in comparing** information to spread top soil, lay sod and plant flowers, grass, shrubs and trees; and in performing other duties to assist with the construction of landscapes and related structures

**Physical Activities**

Vision  
3 Near and far vision

Colour Discrimination  
1 Relevant

Hearing  
1 Limited

Body Position  
4 Other body positions

Limb Co-ordination  
2 Multiple limb co-ordination

Strength  
3 Medium

**Environmental Conditions**

Location  
L3 Outside

Hazards  
H1 Dangerous chemical substances  
H3 Equipment, machinery, tools

Discomforts  
D1 Noise  
D2 Vibration

**Employment Requirements**

Education/Training  
2, R

- Some secondary school education may be required.
- A provincial licence to apply chemical fertilizers, fungicides, herbicides and pesticides may be required.

**Workplaces/Employers**

Cemeteries  
Golf courses  
Landscaping and lawn care companies  
Landscaping departments of governments and private establishments

**Occupational Options**

Progression to technical or supervisory occupations in landscaping and horticulture is possible with additional training or experience.

**Similar Occupations Classified Elsewhere**

*Landscape and Horticulture Technicians and Specialists (2225)*

*Nursery and Greenhouse Workers (8432)*

*Residential and Commercial Installers and Servicers (7441)*

*Supervisors, Landscape and Horticulture (8256)*

# 8613.1 Aquaculture Support Workers

Aquaculture support workers assist aquaculture technicians with the operations of aquatic farms.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
4	4	4	4	4	4	4	3	4

### INTERESTS

MOi

### DATA PEOPLE THINGS (DPT)

684

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
3	0	1	4	1	3

### ENVIRONMENTAL CONDITIONS (EC)

L1, L3, H2, D3, D5

### EDUCATION/TRAINING

2

## Examples of Job Titles

aquaculture support worker

fish farm helper

fish tagger

fry marker

sea farm attendant

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to assist aquaculture technicians in the operations of fish hatcheries and other aquatic farms and to operate boats in marine aquaculture operations
- **Finger dexterity** to vaccinate aquaculture stocks and to perform marking and banding techniques
- **Methodical interest in comparing** information to feed aquaculture stocks, to perform culling techniques and to prepare stocks for market; and in keeping daily records of water flow and fish samples
- **Objective interest in operating**, maintaining and cleaning pumps, filters, tanks and other equipment; in grading and weighing aquaculture stocks; and in cleaning and maintaining aquaculture enclosures
- **Innovative interest** in reporting any observed irregularities in stocks

Physical Activities

Vision  
3 Near and far vision

Colour Discrimination  
0 Not relevant

Hearing  
1 Limited

Body Position  
4 Other body positions

Limb Co-ordination  
1 Upper limb co-ordination

Strength  
3 Medium

Environmental Conditions

Location  
L1 Regulated inside climate  
L3 Outside

Hazards  
H2 Biological agents

Discomforts  
D3 Odours  
D5 Wetness

Employment Requirements

Education/Training  
2

- Some secondary school education is usually required.

Workplaces/Employers

Commercial aquatic farms  
Public or private fish hatcheries

Similar Occupations Classified Elsewhere

*Aquaculture Operators and Managers*  
(8257)

*Fishing Vessel Deckhands* (8441)

*Fishing Vessel Skippers and Fishermen/women* (8262)



# 8613.2 Marine Plant Gatherers

Marine plant gatherers collect marine plants for further processing.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
4	4	4	4	4	4	4	3	4

### INTERESTS

Moi

### DATA PEOPLE THINGS (DPT)

687

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
3	0	1	4	1	3

### ENVIRONMENTAL CONDITIONS (EC)

L3, D3, D5

### EDUCATION/TRAINING

2

## Examples of Job Titles

dulse gatherer  
marine plant gatherer  
seaweed gatherer

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** and **finger dexterity** to gather marine plants from beaches, rocks and shallow waters and to spread gatherings to dry
- **Methodical interest** in **comparing** information to spread gatherings and transport them to processing plants
- **Objective interest** in **handling** equipment to rake seaweed, dulse and Irish moss; and in loading plants into carts, wagons and other receptacles
- **Innovative interest** in removing foreign objects from gatherings

Physical Activities

Vision  
3 Near and far vision

Colour Discrimination  
0 Not relevant

Hearing  
1 Limited

Body Position  
4 Other body positions

Limb Co-ordination  
1 Upper limb co-ordination

Strength  
3 Medium

Environmental Conditions

Location  
L3 Outside

Discomforts  
D3 Odours  
D5 Wetness

Employment Requirements

Education/Training  
2

- Some secondary school education is usually required.

Workplaces/Employers

Self-employment

Similar Occupations Classified Elsewhere

*Aquaculture Operators and Managers*  
(8257)

*Fishing Vessel Deckhands* (8441)

*Fishing Vessel Skippers and*  
*Fishermen/women* (8262)

## 8613.3 Shellfish Harvesters

Shellfish harvesters collect shellfish for sale in markets.

---

### Profile Summary

---

#### APTITUDES

G	V	N	S	P	Q	K	F	M
4	4	4	4	4	4	4	3	4

---

#### INTERESTS

Moi

---

#### DATA PEOPLE THINGS (DPT)

687

---

#### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
3	0	1	4	1	3

---

#### ENVIRONMENTAL CONDITIONS (EC)

L3, D3, D5

---

#### EDUCATION/TRAINING

2, R

---

---

### Examples of Job Titles

clam digger  
oyster picker  
shellfish harvester

---

### Descriptor Profile

#### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to cultivate and harvest shellfish
- **Finger dexterity** to gather shellfish from wild and cultivated beds by hand and using shovels, forks and rakes
- **Methodical interest** in **comparing** information to clean, sort and transport shellfish to markets
- **Objective interest** in **handling** spades, forks and other instruments to dig clams from beds; and in picking oysters
- **Innovative interest** in selling catches to public at docks and in markets

---

**Physical Activities**

---

**Vision**

- 3 Near and far vision

**Colour Discrimination**

- 0 Not relevant

**Hearing**

- 1 Limited

**Body Position**

- 4 Other body positions

**Limb Co-ordination**

- 1 Upper limb co-ordination

**Strength**

- 3 Medium

---

**Environmental Conditions**

---

**Location~**

- L3 Outside

**Discomforts**

- D3 Odours  
D5 Wetness

---

**Employment Requirements**

---

**Education/Training**

- 2, R

- Some secondary school education is usually required.
- Shellfish harvesters require commercial fishing licences.

---

**Workplaces/Employers**

---

Self-employment

---

**Similar Occupations Classified Elsewhere**

---

*Aquaculture Operators and Managers*  
(8257)

*Fishing Vessel Deckhands* (8441)

*Fishing Vessel Skippers and*  
*Fishermen/women* (8262)

# 8614 Mine Labourers

Mine labourers carry out a variety of general labouring duties to assist in the extraction of coal, minerals and ore, and in other services in support of underground mining.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
4	4	5	4	4	5	4	4	3

### INTERESTS

MOi

### DATA PEOPLE THINGS (DPT)

684

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
3	0	1	4	1	4

### ENVIRONMENTAL CONDITIONS (EC)

L2, H3, H6, H8, D1, D4

### EDUCATION/TRAINING

3, 4, R

## Examples of Job Titles

chute puller  
mine helper  
mine labourer  
pit scaler – underground mining  
shoveller – underground mining  
underground labourer – mining

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to carry out general labouring duties to assist in the extraction of coal, minerals and ore, and to perform other services in support of underground mining
- **Manual dexterity** to clear spills of ore or coal using hand and power tools
- **Methodical interest** in comparing information to load, move, sort and pile materials and supplies
- **Objective interest** in operating equipment and using hand tools to clean underground rooms, roadways, working areas and mining equipment and conveyances
- **Innovative interest** in assisting other mine workers in maintaining and constructing underground installations

Physical Activities

Vision  
3 Near and far vision

Colour Discrimination  
0 Not relevant

Hearing  
1 Limited

Body Position  
4 Other body positions

Limb Co-ordination  
1 Upper limb co-ordination

Strength  
4 Heavy

Environmental Conditions

Location-  
L2 Unregulated inside climate

Hazards  
H3 Equipment, machinery, tools  
H6 Flying particles, falling objects  
H8 Dangerous locations

Discomforts  
D1 Noise  
D4 Non-toxic dusts

Employment Requirements

Education/Training  
3, 4, R

- Completion of secondary school is usually required.
- A short period of introductory training is provided.
- Mine labourers are registered in the basic common core program in Ontario.

Workplaces/Employers

Coal, metal and non-metallic mineral mines

Occupational Options

There is mobility among jobs in this group.

Progression to underground production and development miner or underground mine service and support worker is possible with experience and training.

Similar Occupations Classified Elsewhere

*Underground Mine Service and Support Workers (8411)*

*Underground Production and Development Miners (8231)*

# 8615 Oil and Gas Drilling, Servicing and Related Labourers

Labourers in this group carry out a variety of general labouring duties and operate equipment to assist in the drilling and servicing of oil and gas wells. This group also includes labourers who assist in geophysical prospecting for oil and gas.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
4	4	4	4	4	5	3	4	3

### INTERESTS

MOi

### DATA PEOPLE THINGS (DPT)

684

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
3	0	1	4	1	4

### ENVIRONMENTAL CONDITIONS (EC)

L3, H1, H3, H6, H8, D1, D3, D5

### EDUCATION/TRAINING

2, 4, R

## Examples of Job Titles

floorman/woman  
helper, wireline  
labourer, oil field  
leasehand  
roughneck  
roustabout  
service rig helper  
shakerhand  
well treatment helper

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to carry out general labouring duties and to assist in the drilling and servicing of oil and gas wells
- **Motor co-ordination** and **manual dexterity** to assist in setting up, taking down and transporting rigs and service equipment
- **Methodical interest** in **comparing** information to handle, sort and move drill tools, pipes, cement and other materials, and to clean up rig areas; may drive trucks to transport materials and well service equipment
- **Objective interest** in **operating** equipment to manipulate sections of pipes and drill stems at rig floors during drilling and for removal and replacement of strings of pipes, drill stems and bits
- **Innovative interest** in maintaining drilling equipment on drill floors



---

**Physical Activities**


---

**Vision**

- 3 Near and far vision

**Colour Discrimination**

- 0 Not relevant

**Hearing**

- 1 Limited

**Body Position**

- 4 Other body positions

**Limb Co-ordination**

- 1 Upper limb co-ordination

**Strength**

- 4 Heavy

---

**Environmental Conditions**


---

**Location**

- L3 Outside

**Hazards**

- H1 Dangerous chemical substances  
H3 Equipment, machinery, tools  
H6 Flying particles, falling objects  
H8 Dangerous locations

**Discomforts**

- D1 Noise  
D3 Odours  
D5 Wetness

---

**Employment Requirements**


---

**Education/Training**

- 2, 4, R

- Completion of secondary school may be required.
- Completion of introductory college or Petroleum Industry Training Service (PITS) courses may be required.
- Certificates in hydrogen sulphide awareness, workplace hazardous materials information system (WHMIS) or transportation of dangerous goods (TDG) may be required.

---

**Workplaces/Employers**


---

Drilling and well servicing contractors

Petroleum producing companies

---

**Occupational Options**


---

Progression to more senior operating positions is possible with experience.

---

**Similar Occupations Classified Elsewhere**


---

*Oil and Gas Well Drillers, Servicers, Testers and Related Workers (8232)*

*Oil and Gas Well Drilling Workers and Services Operators (8412)*

# 8616     Logging and Forestry Labourers

Logging and forestry labourers perform a variety of manual tasks such as attaching choker cables to logs, planting trees, clearing brush, spraying chemicals, cleaning up landing areas and assisting other workers in woodlands operations.

Profile Summary									Examples of Job Titles		
APTITUDES									chokerman/woman forestry labourer logging labourer swamper – logging and forestry tree planter, seasonal		
G	V	N	S	P	Q	K	F	M			
4	4	5	4	4	5	4	4	3			
INTERESTS											
MOI											
DATA PEOPLE THINGS (DPT)											
684											
PHYSICAL ACTIVITIES (PA)											
V	C	H	B	L	S						
3	0.	1	4	2	4						
ENVIRONMENTAL CONDITIONS (EC)											
L3, H1, H3, H6, H8, D1, D2, D3, D4											
EDUCATION/TRAINING											
2, 4, R											

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to perform manual tasks such as attaching choker cables to logs, planting trees, clearing brush, spraying chemicals, cleaning up landing areas and assisting other workers in woodlands operations
- **Manual dexterity** to attach chokers and cables to felled trees for yarding
- **Methodical interest in comparing** information to clean up landing areas at logging sites
- **Objective interest in operating** chain saws to clear trails through woodlands; and in using manual equipment and tools to spray herbicides from the ground and to plant trees
- **Innovative interest** in assisting other workers at logging sites

---

**Physical Activities**

**Vision**  
3 Near and far vision

**Colour Discrimination**  
0 Not relevant

**Hearing**  
1 Limited

**Body Position**  
4 Other body positions

**Limb Co-ordination**  
2 Multiple limb co-ordination

**Strength**  
4 Heavy

---

**Environmental Conditions**

**Location**  
L3 Outside

**Hazards**  
H1 Dangerous chemical substances  
H3 Equipment, machinery, tools  
H6 Flying particles, falling objects  
H8 Dangerous locations

**Discomforts**  
D1 Noise  
D2 Vibration  
D3 Odours  
D4 Non-toxic dusts

---

**Employment Requirements**

**Education/Training**  
2, 4, R

- Completion of secondary school may be required.
- Completion of pre-employment safety courses may be required.
- Several weeks of formal and on-the-job training are provided.
- Workplace hazardous materials information system (WHMIS) certificate may be required.
- Chemicals application licence may be required.

---

**Workplaces/Employers**

Logging companies  
Logging contractors

---

**Occupational Options**

There is mobility among jobs in this group.

Progression to other positions, such as silviculture and forestry worker, chainsaw and skidder operator or logging machinery operator is possible with experience.

---

**Similar Occupations Classified Elsewhere**

*Chainsaw and Skidder Operators (8421)*

*Logging Machinery Operators (8241)*

*Silviculture and Forestry Workers (8422)*



**Occupations Unique to Processing,  
Manufacturing and Utilities**



## **Occupations Unique to Processing, Manufacturing and Utilities**

### **MAJOR GROUP 92**

#### **PROCESSING, MANUFACTURING AND UTILITIES SUPERVISORS AND SKILLED OPERATORS**

##### **921 Supervisors, Processing Occupations**

- 9211 Supervisors, Mineral and Metal Processing
- 9212 Supervisors, Petroleum, Gas and Chemical Processing and Utilities
- 9213 Supervisors, Food, Beverage and Tobacco Processing
- 9214 Supervisors, Plastic and Rubber Products Manufacturing
- 9215 Supervisors, Forest Products Processing
- 9216 Supervisors, Textile Processing

##### **922 Supervisors, Assembly and Fabrication**

- 9221 Supervisors, Motor Vehicle Assembling
- 9222 Supervisors, Electronics Manufacturing
- 9223 Supervisors, Electrical Products Manufacturing
- 9224 Supervisors, Furniture and Fixtures Manufacturing
- 9225 Supervisors, Fabric, Fur and Leather Products Manufacturing
- 9226 Supervisors, Other Mechanical and Metal Products Manufacturing
- 9227 Supervisors, Other Products Manufacturing and Assembly

##### **923 Central Control and Process Operators in Manufacturing and Processing**

- 9231 Central Control and Process Operators, Mineral and Metal Processing
- 9232 Petroleum, Gas and Chemical Process Operators
- 9233 Pulping Control Operators
- 9234 Papermaking and Coating Control Operators

### **MAJOR GROUP 94-95**

#### **PROCESSING AND MANUFACTURING MACHINE OPERATORS AND ASSEMBLERS**

##### **941 Machine Operators and Related Workers in Metal and Mineral Products Processing**

- 9411 Machine Operators, Mineral and Metal Processing
- 9412 Foundry Workers
  - 9412.1 Manual Mouldmakers
  - 9412.2 Manual Coremakers
  - 9412.3 Machine Mouldmakers and Coremakers
  - 9412.4 Metal Casters
  - 9412.5 Foundry Furnace Operators
- 9413 Glass Forming and Finishing Machine Operators and Glass Cutters
  - 9413.1 Glass Process Control Operators
  - 9413.2 Glass Forming Machine Operators
  - 9413.3 Glass Finishing Machine Operators
  - 9413.4 Glass Cutters



- 9414 Concrete, Clay and Stone Forming Operators
  - 9414.1 Concrete Products Forming and Finishing Workers
  - 9414.2 Concrete Products Machine Operators
  - 9414.3 Clay Products Forming and Finishing Machine Operators
  - 9414.4 Stone Forming and Finishing Workers
- 9415 Inspectors and Testers, Mineral and Metal Processing

**942 Machine Operators and Related Workers in Chemical, Plastic and Rubber Processing**

- 9421 Chemical Plant Machine Operators
- 9422 Plastics Processing Machine Operators
  - 9422.1 Mixing Machine Operators
  - 9422.2 Calendering Process Operators
  - 9422.3 Extruding Process Operators
  - 9422.4 Moulding Process Operators
- 9423 Rubber Processing Machine Operators and Related Workers
  - 9423.1 Rubber Processing Machine Operators
  - 9423.2 Assemblers, Rubber Products
  - 9423.3 Rubber Products Inspectors
- 9424 Water and Waste Plant Operators
  - 9424.1 Water Plant Operators
  - 9424.2 Waste Plant Operators

**943 Machine Operators and Related Workers in Pulp and Paper Production and Wood Processing**

- 9431 Sawmill Machine Operators
- 9432 Pulp Mill Machine Operators
- 9433 Papermaking and Finishing Machine Operators
- 9434 Other Wood Processing Machine Operators
- 9435 Paper Converting Machine Operators
- 9436 Lumber Graders and Other Wood Processing Inspectors and Graders
  - 9436.1 Lumber Graders
  - 9436.2 Other Wood Processing Inspectors and Graders

**944 Machine Operators and Related Workers in Textile Processing**

- 9441 Textile Fibre and Yarn Preparation Machine Operators
- 9442 Weavers, Knitters and Other Fabric-Making Occupations
- 9443 Textile Dyeing and Finishing Machine Operators
- 9444 Textile Inspectors, Graders and Samplers

**945 Machine Operators and Related Workers in Fabric, Fur and Leather Products Manufacturing**

- 9451 Sewing Machine Operators
- 9452 Fabric, Fur and Leather Cutters
  - 9452.1 Fabric Cutters
  - 9452.2 Fur Cutters
  - 9452.3 Leather Cutters

- 9453 Hide and Pelt Processing Workers
- 9454 Inspectors and Testers, Fabric, Fur and Leather Products Manufacturing

**946 Machine Operators and Related Workers in Food, Beverage and Tobacco Processing**

- 9461 Process Control and Machine Operators, Food and Beverage Processing
  - 9461.1 Process Control Operators, Food and Beverage Processing
  - 9461.2 Machine Operators, Food and Beverage Processing
- 9462 Industrial Butchers and Meat Cutters, Poultry Preparers and Related Workers
  - 9462.1 Industrial Butchers
  - 9462.2 Industrial Meat Cutters
  - 9462.3 Poultry Preparers
  - 9462.4 Trimmers
- 9463 Fish Plant Workers
  - 9463.1 Fish Plant Machine Operators
  - 9463.2 Fish Plant Cutters and Cleaners
- 9464 Tobacco Processing Machine Operators
- 9465 Testers and Graders, Food and Beverage Processing

**947 Printing Machine Operators and Related Occupations**

- 9471 Printing Machine Operators
- 9472 Camera, Platemaking and Other Pre-Press Occupations
  - 9472.1 Graphic Arts Camera Operators
  - 9472.2 Cylinder Preparers
  - 9472.3 Film Strippers/Assemblers
  - 9472.4 Platemakers
  - 9472.5 Pre-Press Technicians
  - 9472.6 Scanner Operators
  - 9472.7 Proofmakers
- 9473 Binding and Finishing Machine Operators
  - 9473.1 Binding and Finishing Machine Operators
  - 9473.2 Specialty Finishing Equipment Operators
- 9474 Photographic and Film Processors

**948 Mechanical, Electrical and Electronics Assemblers**

- 9481 Aircraft Assemblers and Aircraft Assembly Inspectors
  - 9481.1 Aircraft Assemblers
  - 9481.2 Aircraft Assembly Inspectors
- 9482 Motor Vehicle Assemblers, Inspectors and Testers
  - 9482.1 Motor Vehicle Assemblers
  - 9482.2 Motor Vehicle Inspectors and Testers
- 9483 Electronics Assemblers, Fabricators, Inspectors and Testers
  - 9483.1 Electronics Assemblers
  - 9483.2 Electronics Fabricators
  - 9483.3 Electronics Inspectors
  - 9483.4 Electronics Testers

- 9484 Assemblers and Inspectors, Electrical Appliance, Apparatus and Equipment Manufacturing
  - 9484.1 Assemblers, Electrical Appliance, Apparatus and Equipment Manufacturing
  - 9484.2 Inspectors and Testers, Electrical Appliance, Apparatus and Equipment Manufacturing
- 9485 Assemblers, Fabricators and Inspectors, Industrial Electrical Motors and Transformers
  - 9485.1 Assemblers, Industrial Electrical Motors and Transformers
  - 9485.2 Electrical Fitters and Wires, Industrial Electrical Motors and Transformers
  - 9485.3 Inspectors, Industrial Electrical Motors and Transformers
- 9486 Mechanical Assemblers and Inspectors
  - 9486.1 Mechanical Assemblers
  - 9486.2 Mechanical Inspectors
- 9487 Machine Operators and Inspectors, Electrical Apparatus Manufacturing
  - 9487.1 Machine Operators, Electrical Apparatus Manufacturing
  - 9487.2 Inspectors and Testers, Electrical Apparatus Manufacturing

**949 Other Assembly and Related Occupations**

- 9491 Boat Assemblers and Inspectors
  - 9491.1 Boat Assemblers
  - 9491.2 Boat Inspectors
- 9492 Furniture and Fixture Assemblers and Inspectors
  - 9492.1 Furniture and Fixture Assemblers
  - 9492.2 Furniture and Fixture Inspectors
- 9493 Other Wood Products Assemblers and Inspectors
  - 9493.1 Other Wood Products Assemblers
  - 9493.2 Other Wood Products Inspectors
- 9494 Furniture Finishers and Refinishers
  - 9494.1 Furniture Finishers
  - 9494.2 Furniture Refinishers
- 9495 Plastic Products Assemblers, Finishers and Inspectors
  - 9495.1 Plastic Products Assemblers and Finishers
  - 9495.2 Plastic Products Inspectors
- 9496 Painters and Coaters – Industrial
- 9497 Plating, Metal Spraying and Related Operators
- 9498 Other Assemblers and Inspectors
  - 9498.1 Other Assemblers
  - 9498.2 Other Inspectors

**951 Machining, Metalworking, Woodworking and Related Machine Operators**

- 9511 Machining Tool Operators
- 9512 Forging Machine Operators
- 9513 Woodworking Machine Operators
- 9514 Metalworking Machine Operators
- 9516 Other Metal Products Machine Operators
- 9517 Other Products Machine Operators

**MAJOR GROUP 96**

**LABOURERS IN PROCESSING, MANUFACTURING AND UTILITIES**

**961    Labourers in Processing, Manufacturing and Utilities**

- 9611    Labourers in Mineral and Metal Processing
- 9612    Labourers in Metal Fabrication
- 9613    Labourers in Chemical Products Processing and Utilities
- 9614    Labourers in Wood, Pulp and Paper Processing
- 9615    Labourers in Rubber and Plastic Products Manufacturing
- 9616    Labourers in Textile Processing
- 9617    Labourers in Food, Beverage and Tobacco Processing
- 9618    Labourers in Fish Processing
- 9619    Other Labourers in Processing, Manufacturing and Utilities

# 9211 Supervisors, Mineral and Metal Processing

Supervisors, mineral and metal processing supervise and co-ordinate the activities of workers in the following groups: *Central Control and Process Operators, Mineral and Metal Processing (9231), Machine Operators and Related Workers in Metal and Mineral Products Processing (941)* and *Labourers in Mineral and Metal Processing (9611)*.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	3	3	4	3	3	3	4	3

### INTERESTS

Dio

### DATA PEOPLE THINGS (DPT)

138

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
3	0	2	3	0	1

### ENVIRONMENTAL CONDITIONS (EC)

L1, H5\*, H7\*, D1, D3

### EDUCATION/TRAINING

4+, 6+

## Examples of Job Titles

blast furnace foreman/woman  
brick and tile foreman/woman  
cement processing supervisor  
coremaking foreman/woman  
die casting supervisor  
foreman/woman, lead refining  
lime preparation foreman/woman  
melting and roasting department supervisor  
ore milling supervisor  
roll shop operations coach – steel mill  
shift co-ordinator, steel mill  
supervisor, glass cutters

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to establish methods to meet work schedules, co-ordinate work activities with units and recommend work measures to improve productivity and product quality
- **Verbal ability** to train staff in job duties, safety procedures and company policies, and to recommend personnel actions such as hirings and promotions
- **Numerical ability and clerical perception** to requisition materials and supplies, and to prepare production and other reports
- **Directive interest in supervising** the activities of workers who operate single or multi-functional mineral and metal processing machinery and equipment; who operate mouldmaking and coremaking machines or manually make moulds and cores; who operate glass process control, forming and finishing machines; who operate concrete, clay and stone forming and finishing machines; and who operate cement process control machines and equipment
- **Innovative interest in co-ordinating** work activities and production schedules with units; and in resolving work problems
- **Objective interest** in understanding the functioning of equipment and machinery used in mineral and metal processing operations; may set up machines and equipment

## Physical Activities

### Vision

3 Near and far vision

### Colour Discrimination

0 Not relevant

### Hearing

2 Verbal interaction

### Body Position

3 Sitting, standing, walking

### Limb Co-ordination

0 Not relevant

### Strength

1 Limited

## Environmental Conditions

### Location

L1 Regulated inside climate

### Hazards

H5\* Radiation

H7\* Fire, steam, hot surfaces

### Discomforts

D1 Noise

D3 Odours

## Employment Requirements

### Education/Training

4+, 6+

- Completion of secondary school is usually required.
- Post-secondary education in metallurgy, sciences or a related field may be required for some occupations in this group.
- Several years of experience as a worker in the unit or department being supervised are usually required.

## Workplaces/Employers

Mineral, ore and metal processing plants such as:

Aluminum plants

Cement processing plants

Clay, glass and stone processing plants

Copper, lead and zinc refineries

Foundries

Precious metal refineries

Steel mills

Uranium processing plants

## Similar Occupations Classified Elsewhere

*Supervisors, Mining and Quarrying (8221)*

*Supervisors, Other Mechanical and Metal Products Manufacturing (9226)*

## Remarks

\*Environmental Conditions

- For some occupations in this group, Hazards H5 (Radiation) and H7 (Fire, steam, hot surfaces) may also apply.



# 9212 Supervisors, Petroleum, Gas and Chemical Processing and Utilities

Supervisors in this group supervise and co-ordinate the activities of workers in the following groups: *Petroleum, Gas and Chemical Process Operators* (9232), *Chemical Plant Machine Operators* (9421), *Labourers in Chemical Products Processing and Utilities* (9613), *Water and Waste Plant Operators* (9424), *Stationary Engineers and Auxiliary Equipment Operators* (7351) and *Power Systems and Power Station Operators* (7352).

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	3	3	4	3	3	3	4	3

### INTERESTS

Dim

### DATA PEOPLE THINGS (DPT)

138

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
3	0	2	3	0	1

### ENVIRONMENTAL CONDITIONS (EC)

L1, H1\*, D3

### EDUCATION/TRAINING

4+, 6+, R

## Examples of Job Titles

chemical processing supervisor  
foreman/woman, chemical  
foreman/woman, cosmetics processing  
foreman/woman, natural gas plant  
foreman/woman, water purification plant  
paint processing foreman/woman  
production supervisor, pharmaceuticals  
production supervisor, specialty chemicals  
steam engineer leader  
supervisor, petroleum refining  
supervisor, pipeline operation  
supervisor, power station  
supervisor, sewage treatment plant

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to establish methods to meet work schedules, recommend measures to improve productivity and product quality, and provide information for maintenance plans to ensure that maintenance and production objectives are met
- **Verbal ability** to train staff in job duties, safety procedures and company policies, and to recommend personnel actions such as hirings and promotions
- **Numerical ability and clerical perception** to develop and manage operating budget for areas of responsibility, and to prepare production and other reports
- **Directive interest in supervising** activities of workers who operate petroleum refineries, chemical plants, water and waste disposal plants and equipment, pipelines, heating plants and power stations and systems; may also supervise and schedule the activities of trade workers, labourers and other workers
- **Innovative interest in co-ordinating** work activities and production schedules with other units; and in resolving work problems and identifying, investigating and correcting potential environmental and safety problems
- **Methodical interest** in documenting potential safety problems and requisitioning materials and supplies



### Physical Activities

**Vision**  
3 Near and far vision

**Colour Discrimination**  
0 Not relevant

**Hearing**  
2 Verbal interaction

**Body Position**  
3 Sitting, standing, walking

**Limb Co-ordination**  
0 Not relevant

**Strength**  
1 Limited

### Environmental Conditions

**Location**  
L1 Regulated inside climate

**Hazards**  
H1\* Dangerous chemical substances

**Discomforts**  
D3 Odours

### Employment Requirements

Education/Training  
4+, 6+, R

- Completion of secondary school is required.
- Post-secondary education in chemical processing or sciences may be required for some occupations in this group.
- Several years of experience as a senior operator in the same company or plant are usually required.
- Some occupations in this group may require a specific licence or certification, such as a stationary engineer's licence or refrigeration certification.

### Workplaces/Employers

Chemical and pharmaceutical companies  
Petroleum and natural gas processing companies  
Pipeline and petrochemical companies  
Water and waste treatment utilities

### Occupational Options

There is some mobility among occupations with similar technological or licensing requirements within this group.

### Similar Occupations Classified Elsewhere

Supervisors of telecommunications workers, power utility electricians and power line workers (in 7212 *Contractors and Supervisors, Electrical Trades and Telecommunications Occupations*)

### Remarks

\*Environmental Conditions

- For some occupations in this group, Hazards H1 (Dangerous chemical substances) may apply.

# 9213 Supervisors, Food, Beverage and Tobacco Processing

Supervisors in this group supervise and co-ordinate the activities of workers who operate processing machines, and package and grade food, beverage and tobacco products.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	3	3	4	4	3	4	4	4

### INTERESTS

Dim

### DATA PEOPLE THINGS (DPT)

138

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
3	0	2	3	0	1

### ENVIRONMENTAL CONDITIONS (EC)

L1, D3

### EDUCATION/TRAINING

4+, 6+, R

## Examples of Job Titles

brewer supervisor  
foreman/woman, poultry graders  
HACCP co-ordinator  
packaging supervisor  
production supervisor  
supervisor, bottling  
supervisor, fish processing  
supervisor, food product testers  
supervisor, meat packing  
supervisor, tobacco processing  
supervisor, vegetable packing  
team supervisor, flour milling

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to establish methods to meet work schedules and recommend work measures to improve productivity and product quality
- **Verbal ability** to train staff in job duties, safety procedures and company policies, and to recommend personnel actions such as hirings and promotions
- **Numerical ability and clerical perception** to requisition materials and supplies and to prepare production and other reports
- **Directive interest** in **supervising** the activities of workers who process, package, test and grade food, beverage and tobacco products
- **Innovative interest** in **co-ordinating** work activities with other units in food, beverage and tobacco processing industries; and in resolving work problems
- **Methodical interest** in scheduling activities of workers

---

**Physical Activities**


---

**Vision**  
3 Near and far vision

**Colour Discrimination**  
0 Not relevant

**Hearing**  
2 Verbal interaction

**Body Position**  
3 Sitting, standing, walking

**Limb Co-ordination**  
0 Not relevant

**Strength**  
1 Limited

---

**Environmental Conditions**


---

**Location**  
L1 Regulated inside climate

**Discomforts**  
D3 Odours

---

**Employment Requirements**


---

**Education/Training**  
4+, 6+, R

- Completion of secondary school is usually required.
- Post-secondary education in microbiology or chemistry may be required for some positions in this group.
- Several years of experience in the food, beverage or tobacco processing industry are required.
- Hazard analysis critical control point (HACCP) co-ordinators require HACCP certification and several years of experience in quality assurance of food production.

---

**Workplaces/Employers**


---

Bakeries  
Breweries  
Dairies  
Fish plants  
Flour mills  
Food, beverage and tobacco processing establishments  
Fruit and vegetable processing plants  
Meat plants  
Sugar refineries

---

**Similar Occupations Classified Elsewhere**


---

*Machine Operators and Related Workers in Food, Beverage and Tobacco Processing (946)*

Managers of food, beverage and tobacco processing (in 0911 *Manufacturing Managers*)

Supervisors of meat and fish inspectors (in 2222 *Agricultural and Fish Products Inspectors*)

# 9214 Supervisors, Plastic and Rubber Products Manufacturing

Supervisors in this group supervise and co-ordinate the activities of workers who operate processing machines and who fabricate, assemble and inspect rubber and plastic products.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	3	3	4	4	3	3	4	3

### INTERESTS

Dio

### DATA PEOPLE THINGS (DPT)

138

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
3	0	2	3	0	1

### ENVIRONMENTAL CONDITIONS (EC)

L1, D1, D3

### EDUCATION/TRAINING

4+, 6+

## Examples of Job Titles

foreman/woman, blow moulding

foreman/woman, calendaring – rubber and plastic manufacturing

foreman/woman, extruding – rubber and plastic manufacturing

supervisor, injection moulding – plastic products manufacturing

supervisor, plastic products manufacturing

supervisor, rubber products manufacturing

supervisor, tire building

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to establish methods to meet work schedules and recommend measures to improve productivity and product quality
- **Verbal ability** to train staff in job duties, safety procedures and company policies, and to recommend personnel actions such as hirings and promotions
- **Numerical ability and clerical perception** to requisition materials and supplies, and to prepare production and other reports
- **Directive interest** in supervising the activities of production workers who operate processing machines and who fabricate, assemble, finish and inspect plastic and rubber parts and products
- **Innovative interest** in co-ordinating work activities and production schedules with other departments; and in resolving work problems
- **Objective interest** in understanding the operation of processing machines and other equipment used in plastic and rubber products manufacturing; may set up machines and equipment

---

**Physical Activities**


---

**Vision**

- 3 Near and far vision

**Colour Discrimination**

- 0 Not relevant

**Hearing**

- 2 Verbal interaction

**Body Position**

- 3 Sitting, standing, walking

**Limb Co-ordination**

- 0 Not relevant

**Strength**

- 1 Limited

---

**Environmental Conditions**


---

**Location**

- L1 Regulated inside climate

**Discomforts**

- D1 Noise  
D3 Odours

---

**Employment Requirements**


---

**Education/Training**

4+, 6+

- Completion of secondary school is usually required.
- Post-secondary education in sciences or plastics technology may be required for some positions in this group.
- Several years of experience as a machine operator or an assembler in rubber or plastic products manufacturing are usually required.

---

**Workplaces/Employers**


---

Plastic parts divisions of manufacturing companies

Rubber and plastic products manufacturing companies

---

**Similar Occupations Classified Elsewhere**


---

*Labourers in Rubber and Plastic Products Manufacturing (9615)*

*Plastic Products Assemblers, Finishers and Inspectors (9495)*

*Plastics Processing Machine Operators (9422)*

*Rubber Processing Machine Operators and Related Workers (9423)*

# 9215 Supervisors, Forest Products Processing

Supervisors in this group supervise and co-ordinate the activities of workers in the following groups: *Pulping Control Operators* (9233), *Papermaking and Coating Control Operators* (9234), *Labourers in Wood, Pulp and Paper Processing* (9614), and *Machine Operators and Related Workers in Pulp and Paper Production and Wood Processing* (943).

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	3	3	3	4	3	3	4	3

### INTERESTS

Dio

### DATA PEOPLE THINGS (DPT)

138

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
3	0	2	3	0	1

### ENVIRONMENTAL CONDITIONS (EC)

L1, D1, D3

### EDUCATION/TRAINING

4+, 6+, R

## Examples of Job Titles

coating room foreman/woman – pulp and paper

foreman/woman, lumber grading

foreman/woman, plywood making

foreman/woman, shingle mill

foreman/woman, waferboard

foreman/woman, wood treating plant

paper machine foreman/woman

paper mill foreman/woman

pulp mill foreman/woman

sawmill foreman/woman

shift operating supervisor – pulp and paper supervisor, paper converting

tour foreman/woman – pulp and paper

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to establish methods to meet work schedules and recommend work measures to improve productivity and product quality
- **Verbal ability** to train staff in job duties, safety procedures and company policies, and to recommend personnel actions such as hirings and promotions, and to administer collective agreements
- **Numerical ability and clerical perception** to requisition materials and supplies, and to prepare production and other reports
- **Spatial perception** to monitor safety conditions and ensure that systems and equipment are operating efficiently
- **Directive interest in supervising** the activities of workers who operate pulp and paper mills, paper converting mills, sawmills, planing mills, plywood, waferboard and other wood and paper products mills; and in ensuring that proper maintenance and repairs are performed
- **Innovative interest in co-ordinating** work activities and production schedules with other departments; and in resolving work problems
- **Objective interest** in understanding the operation of equipment and machinery used in forest products processing; may set up machines and equipment



---

**Physical Activities**


---

**Vision**  
3 Near and far vision

**Colour Discrimination**  
0 Not relevant

**Hearing**  
2 Verbal interaction

**Body Position**  
3 Sitting, standing, walking

**Limb Co-ordination**  
0 Not relevant

**Strength**  
1 Limited

---

**Environmental Conditions**


---

**Location**  
L1 Regulated inside climate

**Discomforts**  
D1 Noise  
D3 Odours

---

**Employment Requirements**


---

**Education/Training**  
4+, 6+, R

- Completion of secondary school is required.
- A college diploma in pulp and paper technology or a related discipline may be required for some pulp and paper supervisor positions.
- Several years of some combination of formal and on-the-job training are provided.
- Several years of experience in the most senior occupation supervised are often required.
- Certificates, such as lumber grading and industrial first aid, and a competency certificate in natural gas may be required.

---

**Workplaces/Employers**


---

Paper converting companies  
Planing mills  
Pulp and paper companies  
Sawmills  
Waferboard plants  
Wood processing companies  
Wood treatment plants

---

**Occupational Options**


---

Progression to managerial positions is possible with experience.

Mobility is possible among positions employing similar technology or producing similar products.

---

**Similar Occupations Classified Elsewhere**


---

*Manufacturing Managers (0911)*



# 9216 Supervisors, Textile Processing

Supervisors in this group supervise and co-ordinate the activities of workers engaged in processing fibre into yarn and thread; who weave, knit and fabricate textile products; who bleach, dye and finish textile products; and who inspect textile products.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	3	3	4	4	3	3	4	3

### INTERESTS

Dio

### DATA PEOPLE THINGS (DPT)

138

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
3	1	2	3	0	1

### ENVIRONMENTAL CONDITIONS (EC)

L1, D1, D4

### EDUCATION/TRAINING

4+, 5+, 6+

## Examples of Job Titles

dye room supervisor  
finishing supervisor – textiles  
foreman/woman – textile processing  
spinning supervisor – textiles  
supervisor, knitting  
tufting supervisor – textiles  
weave room supervisor

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to establish methods to meet work schedules and recommend work measures to improve productivity and product quality
- **Verbal ability** to train staff in job duties, safety procedures and company policies, and to recommend personnel actions such as hirings and promotions
- **Numerical ability and clerical perception** to requisition materials and supplies, and to prepare production and other reports
- **Directive interest in supervising** the activities of production workers who operate machines to process fibre, yarn, thread and textiles, and who bleach, dye, finish and inspect textiles
- **Innovative interest in co-ordinating** work activities and production schedules with other departments; and in resolving work problems
- **Objective interest** in understanding the functioning of equipment and machinery used in textile processing; may set up machines and equipment

### Physical Activities

**Vision**  
3 Near and far vision

**Colour Discrimination**  
1 Relevant

**Hearing**  
2 Verbal interaction

**Body Position**  
3 Sitting, standing, walking

**Limb Co-ordination**  
0 Not relevant

**Strength**  
1 Limited

### Environmental Conditions

**Location**  
L1 Regulated inside climate

**Discomforts**  
D1 Noise  
D4 Non-toxic dusts

### Employment Requirements

Education/Training  
4+, 5+, 6+

- Completion of secondary school is usually required.
- Post-secondary education in textile technology or a related field may be required for some positions in this group.
- Several years experience as a textile machinery mechanic or repairer, textile technician or operator in a process such as weaving, tufting or dyeing are usually required.
- Experience may be required in a specific process or with a specific type or model of equipment.

### Workplaces/Employers

Textile companies

### Occupational Options

There is mobility among jobs in this group.

Progression to managerial positions is possible with experience.

### Similar Occupations Classified Elsewhere

*Machine Operators and Related Workers in Textile Processing (944)*

Master dyers and textile colour technologists (in 2211 *Chemical Technologists and Technicians*)

Supervisors in clothing and apparel manufacturing (in 9225 *Supervisors, Fabric, Fur and Leather Products Manufacturing*)

Technologists and technicians in textile manufacturing (in 2233 *Industrial Engineering and Manufacturing Technologists and Technicians*)

*Textile Machinery Mechanics and Repairers (7317)*

# 9221 Supervisors, Motor Vehicle Assembling

Supervisors in this group supervise and co-ordinate the activities of workers in motor vehicle production departments.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	3	3	4	3	3	4	4	4

### INTERESTS

Dim

### DATA PEOPLE THINGS (DPT)

138

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
3	1	2	3	0	1

### ENVIRONMENTAL CONDITIONS (EC)

L1

### EDUCATION/TRAINING

4+, 6+

## Examples of Job Titles

area co-ordinator – motor vehicle manufacturing

assembly foreman/woman – motor vehicle manufacturing

foreman/woman – motor vehicle manufacturing

general supervisor, assembly – motor vehicle manufacturing

supervisor, assembly – motor vehicle manufacturing

zone supervisor, assembly – motor vehicle manufacturing

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to establish methods to meet work schedules and recommend measures to improve productivity and product quality
- **Verbal ability** to train staff in job duties, safety procedures and company policies and to recommend personnel actions such as hirings and promotions
- **Clerical perception** to prepare production and other reports
- **Directive interest** in supervising the activities of workers in motor vehicle production departments such as body shop, chassis, paint, trim and hardware and final assembly
- **Innovative interest** in co-ordinating work activities with other units; and in resolving work problems
- **Methodical interest** in requisitioning materials and supplies, and scheduling the activities of workers

---

**Physical Activities**


---

**Vision**

- 3 Near and far vision

**Colour Discrimination**

- 1 Relevant

**Hearing**

- 2 Verbal interaction

**Body Position**

- 3 Sitting, standing, walking

**Limb Co-ordination**

- 0 Not relevant

**Strength**

- 1 Limited

---

**Environmental Conditions**


---

**Location**

- L1 Regulated inside climate

---

**Employment Requirements**


---

**Education/Training**

4+, 6+

- Completion of secondary school is usually required.
- Post-secondary education in engineering, sciences, business or other related discipline is usually required.
- Several years of experience as a production worker in motor vehicle manufacturing are required.

---

**Workplaces/Employers**


---

Automobile, van and light truck manufacturing plants

---

**Occupational Options**


---

Progression to managerial positions is possible with experience.

---

**Similar Occupations Classified Elsewhere**


---

*Motor Vehicle Assemblers, Inspectors and Testers (9482)*

Supervisors of engine assemblers (in 9226 *Supervisors, Other Mechanical and Metal Products Manufacturing*)

# 9222 Supervisors, Electronics Manufacturing

Supervisors in this group supervise and co-ordinate the activities of workers who assemble, fabricate, test, repair and inspect electronic parts, components and systems.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	3	3	3	4	3	3	4	3

### INTERESTS

Dio

### DATA PEOPLE THINGS (DPT)

138

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
3	1	2	3	0	1

### ENVIRONMENTAL CONDITIONS (EC)

L1

### EDUCATION/TRAINING

4+, 5+, 6+

## Examples of Job Titles

assembly supervisor  
foreman/woman, electronic assembly  
foreman/woman, final assembly and test  
foreman/woman, printed circuit board fabrication  
production supervisor – electronics manufacturing  
supervisor, assembly and test  
systems test foreman/woman  
test supervisor

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to establish methods to meet work schedules, co-ordinate work activities with other departments and recommend measures to improve productivity
- **Verbal ability** to train workers in job duties, safety procedures and company policies, and to recommend personnel actions such as hirings and promotions
- **Numerical ability and clerical perception** to requisition materials and supplies, and to prepare production and other reports
- **Directive interest in supervising** the activities of workers who assemble, fabricate, inspect and test electronic and electromechanical assemblies, subassemblies, parts and components; and in ensuring that safety rules and regulations are followed
- **Innovative interest in co-ordinating** the activities and production schedules of workers, related helpers and labourers; and in resolving work problems
- **Objective interest** in understanding the functioning of equipment and machinery used in electronics manufacturing; may set up machines and equipment

**Physical Activities**

**Vision**  
3 Near and far vision

**Colour Discrimination**  
1 Relevant

**Hearing**  
2 Verbal interaction

**Body Position**  
3 Sitting, standing, walking

**Limb Co-ordination**  
0 Not relevant

**Strength**  
1 Limited

**Environmental Conditions**

**Location**  
L1 Regulated inside climate

**Employment Requirements**

Education/Training  
4+, 5+, 6+

- Completion of secondary school is required.
- Post-secondary education in electronics or a related discipline is required.
- Several years of experience as an electronics assembler, fabricator, inspector or tester are usually required.

**Workplaces/Employers**

Electronics manufacturing plants

**Similar Occupations Classified Elsewhere**

*Electrical and Electronics Engineering Technologists and Technicians (2241)*

*Electronic Service Technicians (Household and Business Equipment) (2242)*

*Electronics Assemblers, Fabricators, Inspectors and Testers (9483)*

*Supervisors, Electrical Products Manufacturing (9223)*

# 9223 Supervisors, Electrical Products Manufacturing

Supervisors in this group supervise and co-ordinate the activities of workers who assemble, fabricate and inspect electrical components, appliances, motors and industrial equipment.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	3	3	3	4	3	3	4	3

### INTERESTS

Dio

### DATA PEOPLE THINGS (DPT)

138

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
3	1	2	3	0	1

### ENVIRONMENTAL CONDITIONS (EC)

L1

### EDUCATION/TRAINING

4+, 6+

## Examples of Job Titles

foreman/woman, electrical motor assembly

foreman/woman, electrical transformer assembly

foreman/woman, switchgear assembly

supervisor, electrical appliance assembly

supervisor, electrical equipment manufacturing

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to establish methods to meet work schedules, co-ordinate work activities with other departments and recommend work measures to improve productivity
- **Verbal ability** to train staff in job duties, safety procedures and company policies, and to recommend personnel actions such as hirings and promotions
- **Numerical ability and clerical perception** to requisition materials and supplies, and to prepare production and other reports
- **Directive interest in supervising** the activities of workers who assemble, fabricate and inspect various types of electrical apparatus such as appliances, batteries, motors, transformers, generators, and switchgear and control equipment
- **Innovative interest in co-ordinating** the activities of workers and production schedules; and in resolving work problems
- **Objective interest** in understanding the functioning of equipment and machinery used to manufacture electrical components, appliances, motors and industrial equipment; may set up machines and equipment



---

**Physical Activities**


---

**Vision**

- 3 Near and far vision

**Colour Discrimination**

- 1 Relevant

**Hearing**

- 2 Verbal interaction

**Body Position**

- 3 Sitting, standing, walking

**Limb Co-ordination**

- 0 Not relevant

**Strength**

- 1 Limited
- 

**Environmental Conditions**


---

**Location**

- L1 Regulated inside climate

---

**Employment Requirements**


---

**Education/Training**

4+, 6+

- Completion of secondary school is usually required.
- Post-secondary education in electrical or manufacturing technology or other related discipline may be required for some positions in this group.
- Several years of experience as an assembler, inspector or lead hand are required.

---

**Workplaces/Employers**


---

Electrical products manufacturing companies

---

**Similar Occupations Classified Elsewhere**


---

*Contractors and Supervisors, Electrical Trades and Telecommunications Occupations (7212)*

*Supervisors, Electronics Manufacturing (9222)*

# 9224 Supervisors, Furniture and Fixtures Manufacturing

Supervisors in this group supervise and co-ordinate the activities of workers who manufacture furniture and fixtures made of wood and other materials.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	3	3	4	3	3	4	4	4

### INTERESTS

Dio

### DATA PEOPLE THINGS (DPT)

138

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
3	1	2	3	0	1

### ENVIRONMENTAL CONDITIONS (EC)

L1

### EDUCATION/TRAINING

4, 5

## Examples of Job Titles

foreman/woman, desk assembly  
foreman/woman, furniture assembly  
laminating foreman/woman  
supervisor, furniture and fixture manufacturing  
supervisor, furniture finishers  
supervisor, woodworking machine operators  
woodworking machine operators  
foreman/woman

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to establish methods to meet work schedules, co-ordinate work activities with other departments and recommend work measures to improve productivity and product quality
- **Verbal ability** to train staff in job duties, safety procedures and company policies, and to recommend personnel actions such as hirings and promotions
- **Numerical ability and clerical perception** to requisition materials and supplies, and to prepare production and other reports
- **Directive interest in supervising** the activities of workers who assemble furniture and fixtures of various materials, operate woodworking machines and finish furniture to specified colour and finish
- **Innovative interest in co-ordinating** work activities and production schedules; and in resolving work problems
- **Objective interest** in understanding the operation of equipment and machinery used in the manufacture of furniture and fixtures made of wood and other materials

---

**Physical Activities**

**Vision**  
3 Near and far vision

**Colour Discrimination**  
1 Relevant

**Hearing**  
2 Verbal interaction

**Body Position**  
3 Sitting, standing, walking

**Limb Co-ordination**  
0 Not relevant

**Strength**  
1 Limited

---

**Environmental Conditions**

**Location**  
L1 Regulated inside climate

---

**Employment Requirements**

Education/Training  
4, 5

- Completion of secondary school is usually required.
- Experience as a furniture and fixture assembler, woodworking machine operator, cabinetmaker or furniture finisher, is usually required.

---

**Workplaces/Employers**

Furniture and fixtures manufacturing establishments

---

**Similar Occupations Classified Elsewhere**

Supervisors of millwork and wood product manufacturing other than furniture and fixture, and wood machining (in 9227 *Supervisors, Other Products Manufacturing and Assembly*)

# 9225 Supervisors, Fabric, Fur and Leather Products Manufacturing

Supervisors in this group supervise and co-ordinate the activities of workers in the following groups: *Sewing Machine Operators* (9451), *Fabric, Fur and Leather Cutters* (9452), *Hide and Pelt Processing Workers* (9453) and *Inspectors and Testers, Fabric, Fur and Leather Products Manufacturing* (9454).

Profile Summary										Examples of Job Titles									
APTITUDES										boot and shoe foreman/woman									
G	V	N	S	P	Q	K	F	M		canvas products manufacturing foreman/woman									
3	3	3	4	3	3	4	4	4		cutting department foreman/woman, fabric embroidery supervisor – fabric products									
INTERESTS										fur dressing foreman/woman									
Dio										hat and cap makers foreman/woman									
DATA PEOPLE THINGS (DPT)										sample room foreman/woman, leather products									
138										sewing machine operators supervisor									
PHYSICAL ACTIVITIES (PA)										stitching department supervisor									
V	C	H	B	L	S					tannery foreman/woman									
3	1	2	3	0	1														
ENVIRONMENTAL CONDITIONS (EC)																			
L1																			
EDUCATION/TRAINING																			
4+																			

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to establish methods to meet work schedules, co-ordinate work activities with other departments and recommend work measures to improve productivity and product quality

- **Verbal ability** to train staff in job duties, safety procedures and company policies, and to recommend personnel actions such as hirings and promotions
- **Numerical ability and clerical perception** to requisition materials and supplies, and to prepare production and other reports
- **Directive interest in supervising** the activities of workers who cut and stitch fabric, fur or leather garments and other products in the manufacturing process

- **Innovative interest in co-ordinating** work activities and production schedules; and in resolving work problems
- **Objective interest** in understanding the operation of equipment and machinery used in the manufacturing of fabric, fur and leather products

---

**Physical Activities**


---

**Vision**

- 3 Near and far vision

**Colour Discrimination**

- 1 Relevant

**Hearing**

- 2 Verbal interaction

**Body Position**

- 3 Sitting, standing, walking

**Limb Co-ordination**

- 0 Not relevant

**Strength**

- 1 Limited

---

**Environmental Conditions**


---

**Location**

- L1 Regulated inside climate

---

**Employment Requirements**


---

**Education/Training**

4+

- Completion of secondary school is usually required.
- Several years of experience as a worker in the group being supervised are required.

---

**Workplaces/Employers**


---

Clothing and textile manufacturers

Fabric products manufacturers

Tanneries

---

**Occupational Options**


---

There is little mobility among the various types of supervisors in this group.

---

**Similar Occupations Classified Elsewhere**


---

*Supervisors, Textile Processing (9216)*

*Tailors, Dressmakers, Furriers and Milliners (7342)*

# 9226 Supervisors, Other Mechanical and Metal Products Manufacturing

Supervisors in this group supervise and co-ordinate the activities of workers who fabricate, assemble and inspect mechanical and metal products such as aircraft and aircraft parts, heavy trucks, buses, trailers, motor vehicle engines, transmissions, heating equipment, commercial refrigeration and similar metal products.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	3	3	4	3	3	4	4	3

### INTERESTS

Dio

### DATA PEOPLE THINGS (DPT)

138

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
3	0	2	3	0	1

### ENVIRONMENTAL CONDITIONS (EC)

L1, D1

### EDUCATION/TRAINING

4+, 6+

## Examples of Job Titles

aircraft assembly foreman/woman  
engine assembly foreman/woman (except aircraft)  
foreman/woman, metalworking machine operators  
foreman/woman, mobile home assembly  
shipyard painter foreman/woman  
supervisor, helicopter assembly  
supervisor, snowmobile assembly  
truck trailer assembly foreman/woman

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to establish methods to meet work schedules, co-ordinate work activities with other departments and recommend measures to improve productivity and product quality
- **Verbal ability** to train staff in job duties, safety procedures and company policies, and to recommend personnel actions such as hirings and promotions
- **Numerical ability and clerical perception** to requisition materials and supplies, and to prepare production and other reports
- **Directive interest in supervising** the activities of workers who assemble and inspect products such as aircraft, buses, heavy trucks, transmissions, automobile engines, and refrigeration and heating equipment
- **Innovative interest in co-ordinating** work activities and production schedules; and in resolving work problems
- **Objective interest** in understanding the operation of equipment and machinery used in mechanical and metal products manufacturing; may set up machinery and equipment

### Physical Activities

#### Vision

- 3 Near and far vision

#### Colour Discrimination

- 0 Not relevant

#### Hearing

- 2 Verbal interaction

#### Body Position

- 3 Sitting, standing, walking

#### Limb Co-ordination

- 0 Not relevant

#### Strength

- 1 Limited

### Environmental Conditions

#### Location

- L1 Regulated inside climate

#### Discomforts

- D1 Noise

### Employment Requirements

#### Education/Training

4+, 6+

- Completion of secondary school is usually required.
- Post-secondary education may be required for some occupations in this group.
- Several years of experience as an assembler or inspector in the same company are usually required.

### Workplaces/Employers

Mechanical, metal products and other manufacturing companies

### Similar Occupations Classified Elsewhere

Aircraft engine assembly and machine fitters' supervisors (in 7216 *Contractors and Supervisors, Mechanic Trades*)

*Contractors and Supervisors, Metal Forming, Shaping and Erecting Trades* (7214)

*Supervisors, Electrical Products Manufacturing* (9223)

*Supervisors, Motor Vehicle Assembling* (9221)



# 9227 Supervisors, Other Products Manufacturing and Assembly

This group includes supervisors, not elsewhere classified, who supervise and co-ordinate the activities of workers assembling, fabricating and inspecting products such as jewellery, clocks and watches, millwork, sporting goods, toys and other miscellaneous products.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	3	3	4	4	3	3	3	3

### INTERESTS

Dio

### DATA PEOPLE THINGS (DPT)

138

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
3	0	2	3	0	1

### ENVIRONMENTAL CONDITIONS (EC)

L1

### EDUCATION/TRAINING

2+, 4+

## Examples of Job Titles

foreman/woman, bicycle assembly  
foreman/woman, clock and watch assembly  
foreman/woman, jewellery manufacturing  
foreman/woman, millwork assembly  
supervisor, silverware manufacturing  
supervisor, sports equipment assembly  
supervisor, toy manufacturing

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to establish methods to meet work schedules, co-ordinate work activities with other departments and recommend measures to improve productivity and product quality
- **Verbal ability** to train workers in job duties, safety procedures and company policies, and to recommend personnel actions such as hirings and promotions
- **Numerical ability and clerical perception** to requisition materials and supplies, and to prepare production and other reports
- **Motor co-ordination and finger and manual dexterity** to demonstrate assembly and fabrication methods
- **Directive interest** in **supervising** the activities of workers who assemble, fabricate and inspect products such as jewellery, clocks, watches, bicycles, millwork, sporting goods and toys
- **Innovative interest** in **co-ordinating** work activities with other departments; and in resolving work problems
- **Objective interest** in understanding the functioning of equipment and machinery used to manufacture and assemble products such as jewellery, clocks, watches, bicycles, millwork sporting goods and toys; may set up machinery and equipment

### Physical Activities

**Vision**  
3 Near and far vision

**Colour Discrimination**  
0 Not relevant

**Hearing**  
2 Verbal interaction

**Body Position**  
3 Sitting, standing, walking

**Limb Co-ordination**  
0 Not relevant

**Strength**  
1 Limited

### Environmental Conditions

**Location**  
L1 Regulated inside climate

### Employment Requirements

Education/Training  
2+, 4+

- Completion of secondary school may be required.
- Several years of experience as an assembler or inspector in the same company are usually required.

### Workplaces/Employers

Manufacturing companies

### Occupational Options

There is little mobility between different types of supervisors in this group.

### Similar Occupations Classified Elsewhere

Supervisors of woodworking machine operators (in 9224 *Supervisors, Furniture and Fixtures Manufacturing*)

# 9231 Central Control and Process Operators, Mineral and Metal Processing

Central control and process operators, mineral and metal processing, operate and monitor multi-function process control machinery and equipment to control the processing of mineral ores, metals and cement.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	3	3	3	3	3	4	4	4

### INTERESTS

ODI

### DATA PEOPLE THINGS (DPT)

262

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
3	0	2	3	1	1

### ENVIRONMENTAL CONDITIONS (EC)

L1, L2\*, D1\*

### EDUCATION/TRAINING

4+, 6+

## Examples of Job Titles

blast furnace operator  
central control caster  
central control room operator  
chief flotation operator  
console operator – cement manufacturing  
pelletizing control operator  
roaster operator  
rolling mill control operator

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to co-ordinate and monitor the operation of a particular aspect of mineral ore, metal and cement processing production through control panels, computer terminals and other control systems, usually from central control rooms
- **Numerical ability** to maintain shift logs of production and other data
- **Clerical perception** to prepare production and other reports
- **Objective interest** in **controlling** the operation of multi-functional processing machinery to grind, separate, filter, melt, roast, treat, refine and otherwise process mineral ores; and in starting up and shutting down production systems in cases of emergency or as required by schedules
- **Verbal ability** to provide and organize training for production crews
- **Directive interest** in **speaking** to members of production crews including machine and process operators, tenders, assistants and helpers to co-ordinate and supervise their activities
- **Innovative interest** in **analyzing** computer printouts, video monitors and gauges to verify specified processing conditions and to make necessary adjustments

### Physical Activities

**Vision**  
3 Near and far vision

**Colour Discrimination**  
0 Not relevant

**Hearing**  
2 Verbal interaction

**Body Position**  
3 Sitting, standing, walking

**Limb Co-ordination**  
1 Upper limb co-ordination

**Strength**  
1 Limited

### Environmental Conditions

**Location**  
L1 Regulated inside climate  
L2\* Unregulated inside climate

**Discomforts**  
D1\* Noise

### Employment Requirements

**Education/Training**  
4+, 6+

- Completion of secondary school is required.
- A college diploma may be required for some positions in this group.
- On-the-job training is provided.
- Several years of experience as a machine or process operator, usually in the same company or production department, are required.

### Workplaces/Employers

Mineral, ore and metal processing plants such as:

Aluminum plants  
Cement processing plants  
Copper, lead and zinc refineries  
Precious metal refineries  
Steel mills  
Uranium processing plants

### Occupational Options

There is little mobility among the various types of central control and process operators within the mineral and metal processing industry.

With experience, central control and process operators may progress to supervisory positions in mineral and metal processing.

### Similar Occupations Classified Elsewhere

Foundry furnace operators and casters (in 9412 *Foundry Workers*)

*Machine Operators, Mineral and Metal Processing* (9411)

*Supervisors, Mineral and Metal Processing* (9211)

### Remarks

\*Environmental Conditions

- For some occupations in this group, **Location** L2 (Unregulated inside climate) and **Discomforts** D1 (Noise) may also apply.

# 9232 Petroleum, Gas and Chemical Process Operators

Petroleum, gas and chemical process operators monitor and operate petroleum, petrochemical and chemical plants and monitor, adjust and maintain processing units and equipment in these plants.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	3	3	3	4	4	3	3	3

### INTERESTS

OId

### DATA PEOPLE THINGS (DPT)

262

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	1	1	3	1	3

### ENVIRONMENTAL CONDITIONS (EC)

L1, L3\*, H1, H3, H7\*, D1, D3

### EDUCATION/TRAINING

4, 5, 6, +, R

## Examples of Job Titles

acid plant operator  
cell room operator, chlor-alkali plant  
chemical process operator  
chief operator – chemical processing  
fractionator operator  
gas field operator  
gas plant operator  
gas recovery operator  
lead operator – chemical processing  
liquefaction plant operator  
master operator – chemical processing  
panel operator – chemical processing  
petroleum process operator  
pharmaceutical processing operator  
pipeline compressor station operator  
process technician  
refinery operator  
senior operating technician  
senior operator – chemical processing

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to monitor and optimize physical and chemical processes for several processing units, and to monitor outside process equipment; may be cross-trained in a skilled trade during shift cycles; may rotate between different processing units during shift cycles
- **Numerical ability** to sample products, perform tests, record data, carry out statistical process control on process operations and write production logs
- **Spatial perception, motor co-ordination and finger and manual dexterity** to adjust equipment, valves, pumps and controls, and process equipment
- **Objective interest in controlling** process start-up, shut-down and troubleshooting; and in operating electronic or computerized control panels from a central control room; and in shutting down, isolating and preparing process units or production equipment for maintenance
- **Innovative interest in analyzing** information to develop operator procedures for normal operations, start-up and shut-down of units; and in participating in safety audits and programs, and in providing emergency response when required
- **Directive interest in speaking** with team members and trainees to authorize or co-sign maintenance work orders; in ensuring adherence to safety and environmental regulations; may work in a team with shared supervisory responsibilities and participate in training other workers

## Physical Activities

### Vision

- 2 Near vision

### Colour Discrimination

- 1 Relevant

### Hearing

- 1 Limited

### Body Position

- 3 Sitting, standing, walking

### Limb Co-ordination

- 1 Upper limb co-ordination

### Strength

- 3 Medium

## Environmental Conditions

### Location

- L1 Regulated inside climate  
L3\* Outside

### Hazards

- H1 Dangerous chemical substances  
H3 Equipment, machinery, tools  
H7\* Fire, steam, hot surfaces

### Discomforts

- D1 Noise  
D3 Odours

## Employment Requirements

### Education/Training

- 4, 5, 6, +, R

- Completion of secondary school is required. Mathematics, chemistry and physics subjects are often specified.
- A college diploma in process operation, sciences or a related subject may be required for some positions.
- Petroleum and chemical process operators and process technicians require completion of several years of formal company training.
- Experience as a petroleum or chemical process operator in all the operating units controlled by the central control room is required for chief operators.
- Company certification as a petroleum process operator or technician may be required.
- A provincial stationary engineer licence, compressor operator or refrigeration certificate may be required when certain kinds of equipment are included in the process.
- Certification in the transportation of dangerous goods (TDG), first aid, firefighting, or workplace hazardous materials information system (WHMIS) may be required.

## Workplaces/Employers

Industrial, agricultural and specialty chemical companies

Petroleum and natural gas processing

Pharmaceutical companies

Pipeline and petrochemical companies

## Occupational Options

There is considerable mobility among jobs within a company, often as part of a formal development or training program.

Mobility to other petroleum or chemical processing plants is possible, but may be limited by the usual practice of training and promoting workers from within the establishment.

Progression to supervisory or managerial positions is possible with experience.

## Similar Occupations Classified Elsewhere

*Chemical Plant Machine Operators* (9421)

*Supervisors, Petroleum, Gas and Chemical Processing and Utilities* (9212)

## Remarks

Occupations in this group may involve exposure to hazards of toxic, flammable or explosive chemicals and personal protective equipment may be required.

\*Environmental Conditions

- For some occupations in this group, Location L3 (Outside) and Hazards H7 (Fire, steam, hot surfaces) may also apply.



# 9233     Pulping Control Operators

Pulping control operators operate and monitor multi-function process control machinery and equipment to control the processing of wood, scrap pulp, recyclable paper and other cellulose materials in the production of pulp.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	3	3	3	3	3	4	4	4

### INTERESTS

OId

### DATA PEOPLE THINGS (DPT)

262

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	0	1	3	1	1

### ENVIRONMENTAL CONDITIONS (EC)

L1, H7\*, D3

### EDUCATION/TRAINING

4+, 5+, 6+, R

## Examples of Job Titles

- bleach plant operator
- cook – pulp and paper
- digester operator
- pulping control operator
- pulping group operator – pulp and paper
- pulping technician
- thermomechanical pulp operator

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to co-ordinate and monitor the operation of screening equipment, washing equipment, digesters, mixing tanks and other pulp-processing equipment from automated panel boards, in a central control room
- **Verbal and numerical ability** to complete and maintain production reports
- **Spatial, form and clerical perception** to observe panel indicators, gauges, video monitors and other instruments from a central control room in order to detect equipment malfunctions and ensure pulp processes are operating within prescribed production limits
- **Objective interest** in **controlling** the processing of wood, scrap pulp, recyclable paper and other cellulose materials
- **Innovative interest** in **analyzing** instrument readings and production test samples to make adjustments to production process and equipment
- **Directive interest** in **signalling** to pulp machine operators to make required adjustments to pulp production process and equipment



**Physical Activities**

Vision  
2 Near vision

Colour Discrimination  
0 Not relevant

Hearing  
1 Limited

Body Position  
3 Sitting, standing, walking

Limb Co-ordination  
1 Upper limb co-ordination

Strength  
1 Limited

**Environmental Conditions**

Location  
L1 Regulated inside climate

Hazards  
H7\* Fire, steam, hot surfaces

Discomforts  
D3 Odours

**Employment Requirements**

Education/Training  
4+, 5+, 6+, R

- Completion of secondary school is required.
- A college or other program in forest products processing or a related subject may be required.
- Completion of several weeks of formal company training and several months of on-the-job training is required.
- Several years of experience as a pulp mill machine operator within the same company is usually required.
- A certificate in industrial first aid may be required.

**Workplaces/Employers**

Pulp and paper companies

**Occupational Options**

There is limited mobility among jobs within this occupational group.

Progression to supervisory positions is possible with experience.

**Similar Occupations Classified Elsewhere**

*Papermaking and Coating Control Operators (9234)*

*Pulp Mill Machine Operators (9432)*

*Supervisors, Forest Products Processing (9215)*

**Remarks**

\*Environmental Conditions

- For some occupations in this group, Hazards H7 (Fire, steam, hot surfaces) may also apply.

# 9234     Papermaking and Coating Control Operators

Paper making and coating control operators operate and monitor multi-functional process control machinery and equipment to control the processing of paper, paper pulp and paperboard.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	3	4	3	3	4	4	4	4

### INTERESTS

OId

### DATA PEOPLE THINGS (DPT)

262

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	0	1	3	1	1

### ENVIRONMENTAL CONDITIONS (EC)

L1, H1\*, D3

### EDUCATION/TRAINING

4+, 5+, R

## Examples of Job Titles

back tender, paper machine  
control operator, paper machine  
fourdrinier machine operator  
panelboard operator – pulp and paper  
paper machine operator  
paper-coating machine operator

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to operate, co-ordinate and monitor the operation of papermaking and papercoating process equipment from a central control room or from machine consoles and control panels in an equipment cabin to make paper from pulp stock, mix chemicals and dyes, and coat paper products
- **Verbal ability** to complete and maintain production reports
- **Spatial and form perception** to observe panel indicators, gauges, video monitors and other instruments to detect equipment malfunctions and ensure papermaking and coating processes are operating according to process specifications
- **Objective interest in controlling** processing operations and machinery using distributed control systems and process computers
- **Innovative interest** in analyzing instrument readings and production test samples to make adjustments to production process and equipment
- **Directive interest** in signalling to other papermaking and finishing machine operators to make required adjustments to papermaking and coating process and equipment

## Physical Activities

### Vision

2 Near vision

### Colour Discrimination

0 Not relevant

### Hearing

1 Limited

### Body Position

3 Sitting, standing, walking

### Limb Co-ordination

1 Upper limb co-ordination

### Strength

1 Limited

## Environmental Conditions

### Location

L1 Regulated inside climate

### Hazards

H1\* Dangerous chemical substances

### Discomforts

D3 Odours

## Employment Requirements

### Education/Training

4+, 5+, R

- Completion of secondary school is required.
- Completion of several weeks of formal company training and several months of on-the-job training is required.
- Several years of experience as a papermaking and finishing machine operator within the same company is usually required.
- Certificate in industrial first aid may be required.
- Competency certificate in natural gas may be required.

## Workplaces/Employers

Pulp and paper companies

## Occupational Options

There is limited mobility among jobs within this occupational group.

Progression to supervisory positions is possible with experience.

## Similar Occupations Classified Elsewhere

*Papermaking and Finishing Machine Operators (9433)*

*Pulping Control Operators (9233)*

*Supervisors, Forest Products Processing (9215)*

## Remarks

\*Environmental Conditions

- For some occupations in this group, Hazards H1 (Dangerous chemical substances) may also apply.

# 9411 Machine Operators, Mineral and Metal Processing

Machine operators in this group run machinery to process mineral ore and metal products.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	4	4	4	4	4	3	4	3

### INTERESTS

OMi

### DATA PEOPLE THINGS (DPT)

584

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	0	1	2	1	2

### ENVIRONMENTAL CONDITIONS (EC)

L1, L2\*, H3, H5\*, H7\*, D1, D3, D4\*

### EDUCATION/TRAINING

4

## Examples of Job Titles

aluminum classifier  
asbestos drier  
billet heater  
brick and tile crusher operator  
cement miller  
extrusion press operator  
foil-winding machine operator  
furnace charger  
ladle pourer  
lead refiner  
lime kiln operator  
mica sheet laminator  
quenching car operator  
scrap metal shredder  
sintering machine operator  
slurry equipment operator  
steel roller  
uranium classifier operator  
zinc cell operator

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** and **manual dexterity** to set up, prepare and adjust mineral ore, metal and cement processing machinery to carry out one step in the mineral ore and metal processing operation
- **Motor co-ordination** to make adjustments to machinery
- **Objective interest** in **operating** single-function machinery to grind, separate, filter, mix, treat, cast, roll, refine and otherwise process mineral ores
- **Methodical interest** in **copying** to record production information and complete reports
- **Innovative interest** in observing gauges, meters, computer printouts, video monitors and products to make sure machines operate properly, and to verify specified processing conditions; may assist with machinery maintenance or repair

## Physical Activities

### Vision

- 2 Near vision

### Colour Discrimination

- 0 Not relevant

### Hearing

- 1 Limited

### Body Position

- 2 Standing and/or walking

### Limb Co-ordination

- 1 Upper limb co-ordination

### Strength

- 2 Light

## Environmental Conditions

### Location

- L1 Regulated inside climate
- L2\* Unregulated inside climate

### Hazards

- H3 Equipment, machinery, tools
- H5\* Radiation
- H7\* Fire, steam, hot surfaces

### Discomforts

- D1 Noise
- D3 Odours
- D4\* Non-toxic dusts

## Employment Requirements

### Education/Training

4

- Completion of secondary school is usually required.
- On-the-job training is provided.
- Experience as a labourer in mineral and metal processing is usually required for machine operators.

## Workplaces/Employers

Mineral, ore and metal processing plants such as:

- Aluminum plants
- Cement processing plants
- Copper, lead and zinc refineries
- Precious metal refineries
- Steel mills
- Uranium processing plants

## Occupational Options

There is little mobility among the various types of machine operators within the mineral and metal processing industry.

With experience, machine operators may progress to central control and process operators in mineral and metal processing.

## Similar Occupations Classified Elsewhere

*Central Control and Process Operators, Mineral and Metal Processing (9231)*

*Concrete, Clay and Stone Forming Operators (9414)*

*Foundry Workers (9412)*

*Glass Forming and Finishing Machine Operators and Glass Cutters (9413)*

*Inspectors and Testers, Mineral and Metal Processing (9415)*

*Labourers in Mineral and Metal Processing (9611)*

## Remarks

\*Environmental Conditions

- For some occupations in this group, Location L2 (Unregulated inside climate), Hazards H5 (Radiation) and H7 (Fire, steam, hot surfaces), and Discomforts D4 (Non-toxic dusts) may also apply.

# 9412.1 Manual Mouldmakers

Manual mouldmakers make foundry cores by hand and operate furnaces in foundries.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	4	4	3	3	4	3	3	3

### INTERESTS

OMI

### DATA PEOPLE THINGS (DPT)

381

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	0	1	4	1	4

### ENVIRONMENTAL CONDITIONS (EC)

L2, H3, H7, D1, D3

### EDUCATION/TRAINING

2+

## Examples of Job Titles

bench moulder

manual moulder

pit moulder

sand moulder

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to understand characteristics of metal, and to make and repair sand moulds using patterns, moulding boxes and sand and hand tools
- **Spatial perception** to visualize finished parts from drawings and patterns
- **Form perception** to examine moulds to ensure that they conform to specified standards
- **Motor co-ordination and finger and manual dexterity** to use hand tools and measuring instruments to prepare moulds; may pour molten metal into moulds to produce metal castings
- **Objective interest in precision working** when making sand moulds and repairing damaged impressions; and in operating ovens to dry moulds
- **Methodical interest in compiling** information to follow bench, floor and pit moulding methods
- **Innovative interest** in attaining set limits, tolerances and standards

## Physical Activities

### Vision

- 2 Near vision

### Colour Discrimination

- 0 Not relevant

### Hearing

- 1 Limited

### Body Position

- 4 Other body positions

### Limb Co-ordination

- 1 Upper limb co-ordination

### Strength

- 4 Heavy

## Environmental Conditions

### Location

- L2 Unregulated inside climate

### Hazards

- H3 Equipment, machinery, tools
- H7 Fire, steam, hot surfaces

### Discomforts

- D1 Noise
- D3 Odours

## Employment Requirements

### Education/Training

2+

- Completion of secondary school may be required.
- Up to two years of on-the-job training are required.

## Workplaces/Employers

Foundry departments of metal products manufacturing companies

Metal foundries

## Occupational Options

There is some mobility among workers in the 9412 group.

Progression to supervisory positions is possible with experience.

## Similar Occupations Classified Elsewhere

Foundry labourers (in 9611 *Labourers in Mineral and Metal Processing*)

Furnace operators who convert and refine primary metals, and operators of continuous casting processes (in 9231 *Central Control and Process Operators, Mineral and Metal Processing*)

Supervisors of foundry workers (in 9211 *Supervisors, Mineral and Metal Processing*)



# 9412.2 Manual Coremakers

Manual coremakers make foundry cores by hand and operate furnaces in foundries.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
4	4	4	4	3	4	3	4	3

### INTERESTS

OMi

### DATA PEOPLE THINGS (DPT)

381

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	0	1	4	1	3

### ENVIRONMENTAL CONDITIONS (EC)

L2, H3, H7, D1, D3

### EDUCATION/TRAINING

2

## Examples of Job Titles

sand coremaker

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to make cores for use inside moulds to form holes or void spaces in castings using core boxes, sand, hammer and wire, and other reinforcing materials
- **Form perception** to observe contours of patterns for hollows in metal castings
- **Motor co-ordination and manual dexterity** to use hand tools and measuring instruments, and to coat cores with protective materials
- **Methodical interest** in compiling information to patch cracked and chipped areas on cores; and in smoothing surfaces of cores
- **Objective interest in precision working** when assembling sections to form completed cores; and in operating ovens to bake cores
- **Innovative interest** in attaining set limits, tolerances and standards

## Physical Activities

### Vision

2 Near vision

### Colour Discrimination

0 Not relevant

### Hearing

1 Limited

### Body Position

4 Other body positions

### Limb Co-ordination

1 Upper limb co-ordination

### Strength

3 Medium

## Environmental Conditions

### Location

12 Unregulated inside climate

### Hazards

H3 Equipment, machinery, tools

H7 Fire, steam, hot surfaces

### Discomforts

D1 Noise

D3 Odours

## Employment Requirements

### Education/Training

2

- Completion of secondary school may be required.
- Several months of on-the-job training are required.

## Workplaces/Employers

Foundry departments of metal products manufacturing companies

Metal foundries

## Occupational Options

There is some mobility among workers in the 9412 group.

Progression to supervisory positions is possible with experience.

## Similar Occupations Classified Elsewhere

Foundry labourers (in 9611 *Labourers in Mineral and Metal Processing*)

Furnace operators who convert and refine primary metals, and operators of continuous casting processes (in 9231 *Central Control and Process Operators, Mineral and Metal Processing*)

Supervisors of foundry workers (in 9211 *Supervisors, Mineral and Metal Processing*)

# 9412.3 Machine Mouldmakers and Coremakers

Machine mouldmakers and coremakers operate machines to make foundry moulds and cores.

## Profile Summary

APTITUDES								
G	V	N	S	P	Q	K	F	M
4	4	4	4	4	4	3	4	3
INTERESTS								
OMi								
DATA PEOPLE THINGS (DPT)								
682								
PHYSICAL ACTIVITIES (PA)								
V	C	H	B	L	S			
2	0	1	4	1	3			
ENVIRONMENTAL CONDITIONS (EC)								
L2, H3, H7, D1, D3								
EDUCATION/TRAINING								
2								

## Examples of Job Titles

ceramic mouldmaker  
machine coremaker

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to set up, adjust and operate mouldmaking and coremaking machines to make sand and ceramic moulds and cores
- **Motor co-ordination and manual dexterity** to use hand tools and measuring instruments to prepare and measure moulds and cores
- **Objective interest** in controlling mouldmaking and coremaking machinery
- **Methodical interest** in comparing products with drawings and specifications to ensure that they conform to standards
- **Innovative interest** in attaining set limits, tolerances and standards

## Physical Activities

### Vision

- 2 Near vision

### Colour Discrimination

- 0 Not relevant

### Hearing

- 1 Limited

### Body Position

- 4 Other body positions

### Limb Co-ordination

- 1 Upper limb co-ordination

### Strength

- 3 Medium

## Environmental Conditions

### Location

- 12 Unregulated inside climate

### Hazards

- H3 Equipment, machinery, tools  
H7 Fire, steam, hot surfaces

### Discomforts

- D1 Noise  
D3 Odours

## Employment Requirements

### Education/Training

2

- Completion of secondary school may be required.
- Several months of on-the-job training are required.

## Workplaces/Employers

Foundry departments of metal products manufacturing companies

Metal foundries

## Occupational Options

There is some mobility among workers in the 9412 group.

Progression to supervisory positions is possible with experience.

## Similar Occupations Classified Elsewhere

Foundry labourers (in 9611 *Labourers in Mineral and Metal Processing*)

Furnace operators who convert and refine primary metals, and operators of continuous casting processes (in 9231 *Central Control and Process Operators, Mineral and Metal Processing*)

Supervisors of foundry workers (in 9211 *Supervisors, Mineral and Metal Processing*)

# 9412.4 Metal Casters

Metal casters operate machines to cast molten metal for use in foundries.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
4	4	4	4	4	4	3	4	3

### INTERESTS

OMi

### DATA PEOPLE THINGS (DPT)

682

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	0	1	4	1	3

### ENVIRONMENTAL CONDITIONS (EC)

L2, H3, H7, D1, D3

### EDUCATION/TRAINING

2

## Examples of Job Titles

casting machine operator  
die-casting machine operator  
metal caster

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to set up, adjust and operate machines to cast ferrous and non-ferrous metal products
- **Motor co-ordination** and **manual dexterity** to hand ladle and pour molten metal into moulds to produce castings
- **Objective interest** in **controlling** the flow of molten metals to moulds and the flow of water and air to cooling systems; and in operating machines to cast ferrous and non-ferrous metal products
- **Methodical interest** in **comparing** products with drawings and specifications to ensure that they conform to standards
- **Innovative interest** in examining castings for defects and in attaining set limits, tolerances and standards

---

## Physical Activities

---

### Vision

- 2 Near vision

### Colour Discrimination

- 0 Not relevant

### Hearing

- 1 Limited

### Body Position

- 4 Other body positions

### Limb Co-ordination

- 1 Upper limb co-ordination

### Strength

- 3 Medium

---

## Environmental Conditions

---

### Location

- L2 Unregulated inside climate

### Hazards

- H3 Equipment, machinery, tools  
H7 Fire, steam, hot surfaces

### Discomforts

- D1 Noise  
D3 Odours

---

## Employment Requirements

---

### Education/Training

2

- Completion of secondary school may be required.
- Several months of on-the-job training are required.

---

## Workplaces/Employers

---

Foundry departments of metal products manufacturing companies

Metal foundries

---

## Occupational Options

---

There is some mobility among workers in the 9412 group.

Progression to supervisory positions is possible with experience.

---

## Similar Occupations Classified Elsewhere

---

Foundry labourers (in 9611 *Labourers in Mineral and Metal Processing*)

Furnace operators who convert and refine primary metals, and operators of continuous casting processes (in 9231 *Central Control and Process Operators, Mineral and Metal Processing*)

Supervisors of foundry workers (in 9211 *Supervisors, Mineral and Metal Processing*)

# 9412.5 Foundry Furnace Operators

Foundry furnace operators run furnaces to melt and cast metals in foundries.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
4	4	4	4	4	4	3	4	3

### INTERESTS

OMi

### DATA PEOPLE THINGS (DPT)

682

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	1	1	4	1	3

### ENVIRONMENTAL CONDITIONS (EC)

L2, H3, H7, D1, D3

### EDUCATION/TRAINING

2

## Examples of Job Titles

foundry worker  
furnace operator – foundry  
melter – foundry

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to understand the characteristics of molten metals and to operate furnaces
- **Motor co-ordination and manual dexterity** to set furnace controls and use hand tools and measuring instruments
- **Objective interest in controlling** the injection of fuels and air into furnaces and the flow of electricity and coolants in order to operate furnaces
- **Methodical interest in comparing** test data from melts to ensure that products conform to standards
- **Innovative interest** in observing colour of molten metals and instrument readings in order to adjust controls, and in attaining set specifications



## Physical Activities

### Vision

- 2 Near vision

### Colour Discrimination

- 1 Relevant

### Hearing

- 1 Limited

### Body Position

- 4 Other body positions

### Limb Co-ordination

- 1 Upper limb co-ordination

### Strength

- 3 Medium

## Environmental Conditions

### Location

- L2 Unregulated inside climate

### Hazards

- H3 Equipment, machinery, tools
- H7 Fire, steam, hot surfaces

### Discomforts

- D1 Noise
- D3 Odours

## Employment Requirements

### Education/Training

- 2

- Completion of secondary school may be required.
- Several months of on-the-job training are required.

## Workplaces/Employers

Foundry departments of metal products manufacturing companies

Metal foundries

## Occupational Options

There is some mobility among workers in the 9412 group.

Progression to supervisory positions is possible with experience.

## Similar Occupations Classified Elsewhere

Foundry labourers (in 9611 *Labourers in Mineral and Metal Processing*)

Furnace operators who convert and refine primary metals, and operators of continuous casting processes (in 9231 *Central Control and Process Operators, Mineral and Metal Processing*)

Supervisors of foundry workers (in 9211 *Supervisors, Mineral and Metal Processing*)

# 9413.1 Glass Process Control Operators

Glass process control operators run multi-functional process control machinery to melt, form and cut float glass and glass products.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	4	4	4	4	4	3	4	3

### INTERESTS

OMI

### DATA PEOPLE THINGS (DPT)

382

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	0	1	3	1	1

### ENVIRONMENTAL CONDITIONS (EC)

L1, H3\*

### EDUCATION/TRAINING

2

## Examples of Job Titles

float operator – glass forming  
mirror maker

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to operate multi-functional process control machinery through control panels, computer terminals and other control systems to mix and melt raw materials
- **Motor co-ordination and manual dexterity** to adjust controls in order to coat glass with silver and other metals and materials
- **Objective interest in controlling** machines that heat, anneal, temper and form float glass and glass products; may operate process control machinery to cut glass and assemble glass window units; may clean and maintain process machinery; may ensure adequate levels of oil, soap, talc or other materials used in machine production of glass
- **Methodical interest** in compiling information to maintain shift logs of production and other data
- **Innovative interest** in observing gauges, computer printouts and video monitors to verify specified processing conditions, and to make adjustments as necessary

Physical Activities

Vision  
2 Near vision

Colour Discrimination  
0 Not relevant

Hearing  
1 Limited

Body Position  
3 Sitting, standing, walking

Limb Co-ordination  
1 Upper limb co-ordination

Strength  
1 Limited

Environmental Conditions

Location  
L1 Regulated inside climate

Hazards  
H3\* Equipment, machinery, tools

Employment Requirements

Education/Training  
2

- Completion of secondary school may be required.
- Experience as a machine operator helper in glass manufacturing is usually required.

Workplaces/Employers

Glass and glass products manufacturing companies

Occupational Options

Mobility is possible among the various types of machine operators in the 9413 group.

Progression to supervisory positions is possible with experience.

Similar Occupations Classified Elsewhere

Glass blowers (in 5244 *Artisans and Craftspersons*)

*Glaziers* (7292)

Helpers and labourers in glass products manufacturing (in 9611 *Labourers in Mineral and Metal Processing*)

Neon sign makers (in 9484 *Assemblers and Inspectors, Electrical Appliance, Apparatus and Equipment Manufacturing*)

Production inspectors in glass products manufacturing (in 9415 *Inspectors and Testers, Mineral and Metal Processing*)

Supervisors of workers in this group (in 9211 *Supervisors, Mineral and Metal Processing*)

Remarks

\*Environmental Conditions

- For some occupations in this group, Hazards H3 (Equipment, machinery, tools) may also apply.

# 9413.2 Glass Forming Machine Operators

Glass forming machine operators run single-function machines to melt and form glassware and glass products.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	4	4	4	4	4	3	4	3

### INTERESTS

OMi

### DATA PEOPLE THINGS (DPT)

382

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	0	1	2	1	2

### ENVIRONMENTAL CONDITIONS (EC)

L2, H3, H7

### EDUCATION/TRAINING

2

## Examples of Job Titles

- bottle machine operator
- glass moulder
- glass-blowing machine operator
- glass-pressing machine operator

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to set up automatic glass feeding, flowing and forming machines
- **Motor co-ordination and manual dexterity** to spray and swab moulds with oil solutions to prevent adhesion of glass and to use measuring instruments
- **Objective interest in controlling** and maintaining machines that press and blow molten glass into moulds to form containers such as bottles, jars and drinking glasses; and in operating electric kilns that heat glass sheets and mould to the shape and curve of metal jigs
- **Methodical interest in compiling** information to weigh, measure and check production samples using scales and gauges and by visual verification to ensure that samples conform to specifications
- **Innovative interest** in adjusting automatic glass feeding, flowing and forming machines to meet production specifications

## Physical Activities

### Vision

2 Near vision

### Colour Discrimination

0 Not relevant

### Hearing

1 Limited

### Body Position

2 Standing and/or walking

### Limb Co-ordination

1 Upper limb co-ordination

### Strength

2 Light

## Environmental Conditions

### Location

L2 Unregulated inside climate

### Hazards

H3 Equipment, machinery, tools  
H7 Fire, steam, hot surfaces

## Employment Requirements

### Education/Training

2

- Completion of secondary school may be required.
- Experience as a machine operator helper in glass manufacturing is usually required.

## Workplaces/Employers

Glass and glass products manufacturing companies

## Occupational Options

Mobility is possible among the various types of machine operators in the 9413 group.

Progression to supervisory positions is possible with experience.

## Similar Occupations Classified Elsewhere

Glass blowers (in 5244 *Artisans and Craftspersons*)

*Glaziers* (7292)

Helpers and labourers in glass products manufacturing (in 9611 *Labourers in Mineral and Metal Processing*)

Neon sign makers (in 9484 *Assemblers and Inspectors, Electrical Appliance, Apparatus and Equipment Manufacturing*)

Production inspectors in glass products manufacturing (in 9415 *Inspectors and Testers, Mineral and Metal Processing*)

Supervisors of workers in this group (in 9211 *Supervisors, Mineral and Metal Processing*)

# 9413.3 Glass Finishing Machine Operators

Glass finishing machine operators run single-function machines to finish flat glass, glassware, bottles and other glass products.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	4	4	4	3	4	3	4	3

### INTERESTS

OMi

### DATA PEOPLE THINGS (DPT)

584

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	0	1	2	1	2

### ENVIRONMENTAL CONDITIONS (EC)

L1, H3, H6, D1, D4

### EDUCATION/TRAINING

2

## Examples of Job Titles

glass beveller  
glass-finishing machine operator

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to set up glass and glass-product finishing machines
- **Form perception** to inspect products visually for quality
- **Objective interest** in **operating** and maintaining finishing machines to grind, drill, sand, bevel, decorate, wash and polish glass and glass products
- **Methodical interest** in **copying** to record manufacturing information such as quantities, sizes and types of goods produced
- **Innovative interest** in adjusting glass and glass-product finishing machines to meet production specifications

## Physical Activities

### Vision

- 2 Near vision

### Colour Discrimination

- 0 Not relevant

### Hearing

- 1 Limited

### Body Position

- 2 Standing and/or walking

### Limb Co-ordination

- 1 Upper limb co-ordination

### Strength

- 2 Light

## Environmental Conditions

### Location

- L1 Regulated inside climate

### Hazards

- H3 Equipment, machinery, tools  
H6 Flying particles, falling objects

### Discomforts

- D1 Noise  
D4 Non-toxic dusts

## Employment Requirements

### Education/Training

- 2

- Completion of secondary school may be required.
- Experience as a machine operator helper in glass manufacturing is usually required.

## Workplaces/Employers

Glass and glass products manufacturing companies

## Occupational Options

Mobility is possible among the various types of machine operators in the 9413 group.

Progression to supervisory positions is possible with experience.

## Similar Occupations Classified Elsewhere

Glass blowers (in 5244 *Artisans and Craftspersons*)

*Glaziers* (7292)

Helpers and labourers in glass products manufacturing (in 9611 *Labourers in Mineral and Metal Processing*)

Neon sign makers (in 9484 *Assemblers and Inspectors, Electrical Appliance, Apparatus and Equipment Manufacturing*)

Production inspectors in glass products manufacturing (in 9415 *Inspectors and Testers, Mineral and Metal Processing*)

Supervisors of workers in this group (in 9211 *Supervisors, Mineral and Metal Processing*)



# 9413.4 Glass Cutters

Glass cutters cut flat glass of various thicknesses to specified sizes and shapes by hand.

## Profile Summary

APTITUDES								
G	V	N	S	P	Q	K	F	M
3	4	4	4	4	4	3	4	3
INTERESTS								
OMi								
DATA PEOPLE THINGS (DPT)								
584								
PHYSICAL ACTIVITIES (PA)								
V	C	H	B	L	S			
2	0	1	4	1	3			
ENVIRONMENTAL CONDITIONS (EC)								
L1, H3, D1, D4								
EDUCATION/TRAINING								
2								

## Examples of Job Titles

glass cutter, hand  
glass edger

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to cut glass of various thicknesses to specified sizes and shapes by hand
- **Motor co-ordination** and **manual dexterity** to smooth rough edges using belt sanders and smoothing wheels
- **Objective interest** in **operating** equipment and using hand tools to cut glass along marked outlines and around patterns; and in setting up, operating and adjusting computerized and robotic glass cutting equipment
- **Methodical interest** in **copying** to jig, measure and mark glass, and to place patterns on or under glass for cutting; and in monitoring processes for product quality
- **Innovative interest** in examining and marking defective glass to obtain best cuts

Physical Activities

Vision  
2 Near vision

Colour Discrimination  
0 Not relevant

Hearing  
1 Limited

Body Position  
4 Other body positions

Limb Co-ordination  
1 Upper limb co-ordination

Strength  
3 Medium

Environmental Conditions

Location  
L1 Regulated inside climate

Hazards  
H3 Equipment, machinery, tools

Discomforts  
D1 Noise  
D4 Non-toxic dusts

Employment Requirements

Education/Training  
2

- Completion of secondary school may be required.
- Experience as a machine operator helper in glass manufacturing is usually required.
- Experience as a glass cutter helper is usually required for manual glass cutters.

Workplaces/Employers

Glass and glass products manufacturing companies

Occupational Options

Mobility is possible among the various types of machine operators in the 9413 group.

Progression to supervisory positions is possible with experience.

Similar Occupations Classified Elsewhere

Glass blowers (in 5244 *Artisans and Craftspersons*)

*Glaziers* (7292)

Helpers and labourers in glass products manufacturing (in 9611 *Labourers in Mineral and Metal Processing*)

Neon sign makers (in 9484 *Assemblers and Inspectors, Electrical Appliance, Apparatus and Equipment Manufacturing*)

Production inspectors in glass products manufacturing (in 9415 *Inspectors and Testers, Mineral and Metal Processing*)

Supervisors of workers in this group (in 9211 *Supervisors, Mineral and Metal Processing*)

# 9414.1 Concrete Products Forming and Finishing Workers

Concrete products forming and finishing workers cast and finish concrete products.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	4	4	3	3	4	3	4	3

### INTERESTS

OMi

### DATA PEOPLE THINGS (DPT)

584

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	1	1	4	1	4

### ENVIRONMENTAL CONDITIONS (EC)

L1, H1, H3, H6, H8, D1, D2, D4, D5

### EDUCATION/TRAINING

2

## Examples of Job Titles

concrete block maker  
finisher – concrete products  
stonework moulder

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to build moulds for casting concrete products, and to operate equipment used to form, cut and finish concrete products
- **Spatial perception** to cement sections together to form odd-shaped fittings, and to position reinforcing rods and wire mesh in moulds and fill moulds with concrete from suspended pouring buckets
- **Form perception** to finish surfaces of castings using screeds and trowels
- **Motor co-ordination and manual dexterity** to construct clay models and moulds by hand and with hand tools, and to cut cured concrete pipe sections with saws and chisels
- **Objective interest in operating** equipment such as vibrating tables to settle concrete, electric vibrators to tamp concrete, and cranes and forklifts to remove castings from moulds
- **Methodical interest in copying** information to construct clay models and moulds, and to build wood forms
- **Innovative interest** in repairing wood forms, and in ensuring that products conform to specifications

## Physical Activities

### Vision

- 2 Near vision

### Colour Discrimination

- 1 Relevant

### Hearing

- 1 Limited

### Body Position

- 4 Other body positions

### Limb Co-ordination

- 1 Upper limb co-ordination

### Strength

- 4 Heavy

## Environmental Conditions

### Location

- L1 Regulated inside climate

### Hazards

- H1 Dangerous chemical substances
- H3 Equipment, machinery, tools
- H6 Flying particles, falling objects
- H8 Dangerous locations

### Discomforts

- D1 Noise
- D2 Vibration
- D4 Non-toxic dusts
- D5 Wetness

## Employment Requirements

### Education/Training

2

- Some secondary school education may be required.
- On-the-job training is provided.
- Experience as a helper or labourer in concrete manufacturing may be required.
- Mould makers in this group who construct and repair wooden forms may require some carpentry or woodworking experience.

## Workplaces/Employers

Concrete products manufacturing companies

## Occupational Options

Mobility is possible among workers within each of the concrete, clay and stone manufacturing sectors, but there is little or no mobility among these manufacturing sectors.

Progression to supervisory positions is possible with experience.

## Similar Occupations Classified Elsewhere

*Concrete Finishers (7282)*

Helpers and labourers in concrete, clay and stone products manufacturing (in 9611 *Labourers in Mineral and Metal Processing*)

Inspectors of concrete, clay and stone products (in 9415 *Inspectors and Testers, Mineral and Metal Processing*)

Sculptors (in 5136 *Painters, Sculptors and Other Visual Artists*)

Stone carvers and potters (in 5244 *Artisans and Craftspersons*)

Stone masons (in 7281 *Bricklayers*)

Supervisors of workers in this group (in 9211 *Supervisors, Mineral and Metal Processing*)

# 9414.2 Concrete Products Machine Operators

Concrete products machine operators run single-function machines to mix, drill, grind and cut concrete for manufacturing concrete products.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	4	4	3	3	4	3	4	3

### INTERESTS

OMi

### DATA PEOPLE THINGS (DPT)

584

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	1	1	4	1	3

### ENVIRONMENTAL CONDITIONS (EC)

L1, H3, D1, D2

### EDUCATION/TRAINING

2

## Examples of Job Titles

concrete block maker  
precast concrete moulder  
precast concrete slab maker

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to set up, adjust and operate single-function machines used in the manufacture of concrete products
- **Spatial perception** to visualize the interrelationship of parts when setting up machines
- **Form perception** to detect broken edges, cracks, wrinkles and other defects in products
- **Motor co-ordination and manual dexterity** to use measuring instruments, adjust machine controls and repair flaws
- **Objective interest in operating** single-function machines that mix, drill, grind and cut concrete to specifications; and in moving products using forklifts, cranes and hydraulic hoists
- **Methodical interest in copying** information to record manufacturing information such as quantities, sizes and types of goods produced
- **Innovative interest** in checking products for quality control and in performing ongoing machine adjustments and maintenance

## Physical Activities

### Vision

- 2 Near vision

### Colour Discrimination

- 1 Relevant

### Hearing

- 1 Limited

### Body Position

- 4 Other body positions

### Limb Co-ordination

- 1 Upper limb co-ordination

### Strength

- 3 Medium

## Environmental Conditions

### Location

- L1 Regulated inside climate

### Hazards

- H3 Equipment, machinery, tools

### Discomforts

- D1 Noise
- D2 Vibration

## Employment Requirements

### Education/Training

- 2

- Some secondary school education may be required.
- On-the-job training is provided.
- Experience as a helper or labourer in concrete, clay or stone products manufacturing may be required.

## Workplaces/Employers

Concrete products manufacturing companies

## Occupational Options

Mobility is possible among workers within each of the concrete, clay and stone manufacturing sectors, but there is little or no mobility among these manufacturing sectors.

Progression to supervisory positions is possible with experience.

## Similar Occupations Classified Elsewhere

*Concrete Finishers (7282)*

Helpers and labourers in concrete, clay and stone products manufacturing (in 9611 *Labourers in Mineral and Metal Processing*)

Inspectors of concrete, clay and stone products (in 9415 *Inspectors and Testers, Mineral and Metal Processing*)

Stone masons (in 7281 *Bricklayers*)

Supervisors of workers in this group (in 9211 *Supervisors, Mineral and Metal Processing*)

# 9414.3 Clay Products Forming and Finishing Machine Operators

Clay products forming and finishing machine operators run machines to mix, extrude, mould, press and bake clay in order to form clay products.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	4	4	3	3	4	3	4	3

### INTERESTS

OMi

### DATA PEOPLE THINGS (DPT)

584

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	1	1	4	1	3

### ENVIRONMENTAL CONDITIONS (EC)

L2, H3, H7

### EDUCATION/TRAINING

2

## Examples of Job Titles

asbestos shingle presser  
brick presser operator  
clay press operator  
finisher – clay products  
moulder, clay products

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to set up and operate automatic machines that mix ingredients, extrude tempered clay mixtures and cut extruded clay into sections to make products such as bricks, drain tiles and porcelain insulators
- **Spatial perception** to visualize finished products from specifications
- **Form perception** to detect deviations from standards in materials and products
- **Motor co-ordination and manual dexterity** to fill moulds with slip to form pottery and porcelain ware such as jugs, cups, sinks and toilet bowls
- **Objective interest in operating** mechanical and hydraulic rams and hot presses
- **Methodical interest in copying** information to prepare and mix slip
- **Innovative interest** in operating kilns to bake products according to specifications



---

**Physical Activities**

---

**Vision**

- 2 Near vision

**Colour Discrimination**

- 1 Relevant

**Hearing**

- 1 Limited

**Body Position**

- 4 Other body positions

**Limb Co-ordination**

- 1 Upper limb co-ordination

**Strength**

- 3 Medium

---

**Environmental Conditions**

---

**Location**

- L2 Unregulated inside climate

**Hazards**

- H3 Equipment, machinery, tools  
H7 Fire, steam, hot surfaces

---

**Employment Requirements**

---

**Education/Training**

2

- Some secondary school education may be required.
- On-the-job training is provided.
- Experience as a helper or labourer in concrete, clay or stone products manufacturing may be required.

---

**Workplaces/Employers**

---

Clay products manufacturing companies

---

**Occupational Options**

---

Mobility is possible among workers within each of the concrete, clay and stone manufacturing sectors, but there is little or no mobility among these manufacturing sectors.

Progression to supervisory positions is possible with experience.

---

**Similar Occupations Classified Elsewhere**

---

*Concrete Finishers (7282)*

Helpers and labourers in concrete, clay and stone products manufacturing (in 9611 *Labourers in Mineral and Metal Processing*)

Inspectors of concrete, clay and stone products (in 9415 *Inspectors and Testers, Mineral and Metal Processing*)

Stone carvers and potters (in 5244 *Artisans and Craftspersons*)

Stone masons (in 7281 *Bricklayers*)

Supervisors of workers in this group (in 9211 *Supervisors, Mineral and Metal Processing*)

# 9414.4 Stone Forming and Finishing Workers

Stone forming and finishing workers operate machines to form, cut and finish stone products.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	4	4	3	3	4	3	4	3

### INTERESTS

OMi

### DATA PEOPLE THINGS (DPT)

584

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	0	1	4	1	4

### ENVIRONMENTAL CONDITIONS (EC)

L1, H3, H6, H8, D1, D2, D4

### EDUCATION/TRAINING

2

## Examples of Job Titles

finisher – stone products  
granite cutter  
marble cutter  
stone driller  
stone planer

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to operate machines to form, cut and finish stone products, and to operate stone-dressing lathes to sharpen and dress grindstones used for grinding logs into pulp
- **Spatial perception** to visualize the size and shape of finished products from drawings and specifications
- **Form perception** to examine products for defects
- **Motor co-ordination and manual dexterity** to handle machine controls, hand tools, parts and materials
- **Objective interest in operating** machines to grind and polish surfaces of stone blocks, slabs and other stone products to specific shapes and designs, and to produce smooth finishes; in finishing stone products with spray paint and in mounting plaques and installing concrete bases
- **Methodical interest in copying** information to operate blade and wire saws to cut blocks of stone to specified dimensions, and to operate machines to drill holes in blocks and slabs of stone according to specifications
- **Innovative interest** in operating sandblasting equipment to cut inscriptions and decorative designs on monument stones

## Physical Activities

Vision  
2 Near vision

Colour Discrimination  
0 Not relevant

Hearing  
1 Limited

Body Position  
4 Other body positions

Limb Co-ordination  
1 Upper limb co-ordination

Strength  
4 Heavy

## Environmental Conditions

Location  
L1 Regulated inside climate

Hazards  
H3 Equipment, machinery, tools  
H6 Flying particles, falling objects  
H8 Dangerous locations

Discomforts  
D1 Noise  
D2 Vibration  
D4 Non-toxic dusts

## Employment Requirements

Education/Training  
2

- Some secondary school education may be required.
- On-the-job training is provided.
- Experience as a helper or labourer in concrete, clay or stone products manufacturing may be required.

## Workplaces/Employers

Stone products manufacturing companies

## Occupational Options

Mobility is possible among workers within each of the concrete, clay and stone manufacturing sectors, but there is little or no mobility among these manufacturing sectors.

Progression to supervisory positions is possible with experience.

## Similar Occupations Classified Elsewhere

*Concrete Finishers (7282)*

Helpers and labourers in concrete, clay and stone products manufacturing (in 9611 *Labourers in Mineral and Metal Processing*)

Inspectors of concrete, clay and stone products (in 9415 *Inspectors and Testers, Mineral and Metal Processing*)

Sculptors (in 5136 *Painters, Sculptors and Other Visual Artists*)

Stone carvers and potters (in 5244 *Artisans and Craftspersons*)

Stone masons (in 7281 *Bricklayers*)

Supervisors of workers in this group (in 9211 *Supervisors, Mineral and Metal Processing*)

# 9415   Inspectors and Testers, Mineral and Metal Processing

Inspectors and testers in this group inspect, grade, sample and test raw materials and products from mineral ore and metal processing operations.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	4	4	4	3	4	4	4	3

### INTERESTS

MOI

### DATA PEOPLE THINGS (DPT)

587

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	0	1	2	1	2

### ENVIRONMENTAL CONDITIONS (EC)

L1, L2\*, H7\*, D1\*, D4\*

### EDUCATION/TRAINING

4

## Examples of Job Titles

asbestos grader  
brick and tile inspector  
casting inspector  
clay products grader  
fibreglass tester  
glass inspector  
heat treating inspector  
metal processing inspector  
mineral sampler  
molten metal sampler  
steel sheet inspector  
steel tester

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** and **form perception** to inspect mineral ore, metal, cement, glass, clay and concrete products at various stages of processing to ensure that they adhere to specifications
- **Manual dexterity** to test products for strength, density and durability
- **Methodical interest** in **copying** to grade and label raw materials and finished products according to size, thickness, composition and other classification criteria; and in completing inspection and test reports
- **Objective interest** in **handling** products to take samples during and after processing for routine analyses and subsequent laboratory analyses
- **Innovative interest** in testing products to ensure that they conform to specifications, and in advising supervisors and process and machine operators of problems and product deficiencies

## Physical Activities

### Vision

2 Near vision

### Colour Discrimination

0 Not relevant

### Hearing

1 Limited

### Body Position

2 Standing and/or walking

### Limb Co-ordination

1 Upper limb co-ordination

### Strength

2 Light

## Environmental Conditions

### Location

L1 Regulated inside climate

L2\* Unregulated inside climate

### Hazards

H7\* Fire, steam, hot surfaces

### Discomforts

D1\* Noise

D4\* Non-toxic dusts

## Employment Requirements

### Education/Training

4

- Completion of secondary school is usually required.
- Experience as a machine or process operator in mineral and metal processing is usually required.

## Workplaces/Employers

Mineral ore and metal processing plants such as:

Aluminum plants

Cement processing plants

Clay, glass and stone processing plants

Copper, lead and zinc refineries

Foundries

Precious metal refineries

Steel mills

Uranium processing plants

## Similar Occupations Classified Elsewhere

*Machine Operators, Mineral and Metal Processing (9411)*

*Nondestructive Testers and Inspectors (2261)*

Quality control technologists and technicians (in 2211 *Chemical Technologists and Technicians* and in 2212 *Geological and Mineral Technologists and Technicians*)

*Supervisors, Mineral and Metal Processing (9211)*

## Remarks

\*Environmental Conditions

- For some occupations in this group, **Location** L2 (Unregulated inside climate), **Hazards** H7 (Fire, steam, hot surfaces) and **Discomforts** D1 (Noise) and D4 (Non-toxic dusts) may also apply.

# 9421     Chemical Plant Machine Operators

Chemical plant machine operators monitor and operate units and machinery to blend, mix, process and package specialty chemicals, pharmaceuticals, cleaning and toiletry products.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	4	4	4	4	4	3	4	3

### INTERESTS

OMi

### DATA PEOPLE THINGS (DPT)

584

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	1	1	2	1	2

### ENVIRONMENTAL CONDITIONS (EC)

L1, H1, H3, D1, D3

### EDUCATION/TRAINING

4, 5, R

## Examples of Job Titles

- batch mixer – chemical processing
- blender – chemical processing
- capsule machine operator
- evaporator operator – chemical processing
- formulations blender operator
- glue blender
- granulator machine operator
- mixer – chemical processing
- scrainer – chemical processing
- soap maker

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to monitor meters, gauges and electronic instruments on one or more chemical or formulation units such as mixers, kettles, blenders, driers and tabletting, encapsulation, granulation and coating machines
- **Motor co-ordination and manual dexterity** to adjust processing machines and equipment
- **Objective interest in operating** to start up, shut down and clean equipment; may operate equipment from control rooms or control consoles located near production units
- **Methodical interest in copying** to record production data, and to measure, weigh and load chemical ingredients following formulation cards; and in monitoring reaction processes and transfers of products in conformance with safety procedures
- **Innovative interest** in troubleshooting equipment, and in taking samples to perform routine chemical and physical tests of products



## Physical Activities

### Vision

- 2 Near vision

### Colour Discrimination

- 1 Relevant

### Hearing

- 1 Limited

### Body Position

- 2 Standing and/or walking

### Limb Co-ordination

- 1 Upper limb co-ordination

### Strength

- 2 Light

## Environmental Conditions

### Location

- L1 Regulated inside climate

### Hazards

- H1 Dangerous chemical substances
- H3 Equipment, machinery, tools

### Discomforts

- D1 Noise
- D3 Odours

## Employment Requirements

### Education/Training

- 4, 5, R

- Completion of secondary school is usually required.
- Completion of several months to one year informal, on-the-job training within the company is required for most mixer and blender operators.
- Completion of more than one year of formal and informal company training may be required for some operators working in pharmaceutical, explosives and agricultural chemical or in specialty chemical plants.
- Previous experience in chemical products processing as an assistant, labourer or helper may be required for some occupations in this group.
- Certification in the transportation of dangerous goods (TDG), first aid, firefighting or workplace hazardous materials information system (WHMIS) may be required for some occupations in this group.

## Workplaces/Employers

Chemical processing departments in industries

Chemical, cleaning compound, ink and adhesives industries

## Occupational Options

Mobility among employers producing similar products is possible for some of the more skilled operators in this group.

Progression to supervisory positions, or to process control occupations, is possible with experience.

## Similar Occupations Classified Elsewhere

*Petroleum, Gas and Chemical Process Operators* (9232)

*Supervisors, Petroleum, Gas and Chemical Processing and Utilities* (9212)

## Remarks

Personal protective equipment may be required when working with some types of chemicals or pharmaceuticals.



# 9422.1 Mixing Machine Operators – Plastics Processing

Mixing machine operators set up and operate mixing machines used in the manufacture of plastic parts and products.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	4	4	3	3	4	4	4	3

### INTERESTS

MOI

### DATA PEOPLE THINGS (DPT)

584

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
3	1	1	2	1	3

### ENVIRONMENTAL CONDITIONS (EC)

L1, H1, H3, D1, D3

### EDUCATION/TRAINING

2, 4

## Examples of Job Titles

banbury operator – plastic manufacturing  
solution mixer operator

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to set up and operate mixing machines used in the manufacture of plastic parts and products
- **Spatial and form perception** to visualize the interrelationship of parts to set up machines
- **Manual dexterity** to place weighed materials in machines and to unload mixtures into containers and on conveyors for further processing
- **Methodical interest in copying** information to weigh resins, colorants and other chemicals according to formulas; in maintaining inventory of materials and in cleaning working areas
- **Objective interest** in operating equipment to blend plastics and other chemicals; and in maintaining and performing minor repairs on machinery as required
- **Innovative interest** in blending plastics and other chemicals to specified consistencies and thicknesses

---

### Physical Activities

---

**Vision**  
3 Near and far vision

**Colour Discrimination**  
1 Relevant

**Hearing**  
1 Limited

**Body Position**  
2 Standing and/or walking

**Limb Co-ordination**  
1 Upper limb co-ordination

**Strength**  
3 Medium

---

### Environmental Conditions

---

**Location**  
L1 Regulated inside climate

**Hazards**  
H1 Dangerous chemical substances  
H3 Equipment, machinery, tools

**Discomforts**  
D1 Noise  
D3 Odours

---

### Employment Requirements

---

Education/Training  
2, 4

- Completion of secondary school may be required.
- On-the-job training is provided.
- Several years of experience as a helper, tender or packer in the same company may be required.
- Completion of a statistical process control (SPC) course may be required.

---

### Workplaces/Employers

---

Plastic products manufacturing companies

---

### Occupational Options

---

Mobility among the various operators in the 9422 group is possible.

Progression to supervisory positions is possible with experience.

---

### Similar Occupations Classified Elsewhere

---

*Labourers in Rubber and Plastic Products Manufacturing (9615)*

*Plastic Products Assemblers, Finishers and Inspectors (9495)*

*Rubber Processing Machine Operators and Related Workers (9423)*

*Supervisors, Plastic and Rubber Products Manufacturing (9214)*

# 9422.2 Calendering Process Operators – Plastics Processing

Calendering process operators set up and operate calendering machines used in the manufacture of plastic parts and products.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	4	4	3	3	4	4	4	3

### INTERESTS

OMi

### DATA PEOPLE THINGS (DPT)

582

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
3	0	1	2	1	2

### ENVIRONMENTAL CONDITIONS (EC)

L1, H3, D1

### EDUCATION/TRAINING

2, 4

## Examples of Job Titles

bag machine operator  
calender operator – plastic manufacturing

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to operate calender machines that transform bales and slabs into continuous plastic sheets or films of specified thicknesses
- **Spatial and form perception** to set up machines and examine materials produced
- **Manual dexterity** to make adjustments to processing equipment
- **Objective interest in controlling** processing by adjusting calender rollers for production line changes
- **Methodical interest in copying** information to monitor quality of materials produced; in maintaining inventory of materials and in cleaning working areas
- **Innovative interest** in troubleshooting, maintaining and making minor repairs to equipment

## Physical Activities

**Vision**  
3 Near and far vision

**Colour Discrimination**  
0 Not relevant

**Hearing**  
1 Limited

**Body Position**  
2 Standing and/or walking

**Limb Co-ordination**  
1 Upper limb co-ordination

**Strength**  
2 Light

## Environmental Conditions

**Location**  
L1 Regulated inside climate

**Hazards**  
H3 Equipment, machinery, tools

**Discomforts**  
D1 Noise

## Employment Requirements

**Education/Training**  
2, 4

- Completion of secondary school may be required.
- On-the-job training is provided.
- Several years of experience as a helper, tender or packer in the same company may be required.
- Completion of a statistical process control (SPC) course may be required.

## Workplaces/Employers

Plastic products manufacturing companies

## Occupational Options

Mobility among the various operators in the 9422 group is possible.

Progression to supervisory positions is possible with experience.

## Similar Occupations Classified Elsewhere

*Labourers in Rubber and Plastic Products Manufacturing (9615)*

*Plastic Products Assemblers, Finishers and Inspectors (9495)*

*Rubber Processing Machine Operators and Related Workers (9423)*

*Supervisors, Plastic and Rubber Products Manufacturing (9214)*

# 9422.3 Extruding Process Operators – Plastics Processing

Extruding process operators set up and operate extruding machines used in the manufacture of plastic parts and products.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	4	4	3	3	4	4	4	3

### INTERESTS

OMi

### DATA PEOPLE THINGS (DPT)

582

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
3	0	1	2	1	2

### ENVIRONMENTAL CONDITIONS (EC)

L1, H3, D1

### EDUCATION/TRAINING

2, 4

## Examples of Job Titles

extruder operator – plastic manufacturing

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to operate machines that extrude plastic compounds through nozzles and dies
- **Spatial and form perception** to set up extruding machines and examine materials produced
- **Manual dexterity** to make adjustments to processing equipment
- **Objective interest in controlling** processing by changing dies on extruding machines according to production line changes
- **Methodical interest** in copying information to monitor quality of materials produced; in maintaining inventory of materials and in cleaning working areas
- **Innovative interest** in troubleshooting, maintaining and making minor repairs to equipment

## Physical Activities

**Vision**  
3 Near and far vision

**Colour Discrimination**  
0 Not relevant

**Hearing**  
1 Limited

**Body Position**  
2 Standing and/or walking

**Limb Co-ordination**  
1 Upper limb co-ordination

**Strength**  
2 Light

## Environmental Conditions

**Location**  
[1 Regulated inside climate

**Hazards**  
H3 Equipment, machinery, tools

**Discomforts**  
D1 Noise

## Employment Requirements

Education/Training  
2, 4

- Completion of secondary school may be required.
- On-the-job training is provided.
- Several years of experience as a helper, tender or packer in the same company may be required.
- Completion of a statistical process control (SPC) course may be required.

## Workplaces/Employers

Plastic products manufacturing companies

## Occupational Options

Mobility among the various operators in the 9422 group is possible.

Progression to supervisory positions is possible with experience.

## Similar Occupations Classified Elsewhere

*Labourers in Rubber and Plastic Products Manufacturing (9615)*

*Plastic Products Assemblers, Finishers and Inspectors (9495)*

*Rubber Processing Machine Operators and Related Workers (9423)*

*Supervisors, Plastic and Rubber Products Manufacturing (9214)*

# 9422.4 Moulding Process Operators – Plastics Processing

Moulding process operators set up and operate moulding processing machines used in the manufacture of plastic parts and products.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	4	4	3	3	4	4	4	3

### INTERESTS

OMi

### DATA PEOPLE THINGS (DPT)

582

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
3	1	1	2	1	2

### ENVIRONMENTAL CONDITIONS (EC)

L1, L2, H1, H3, H7

### EDUCATION/TRAINING

2, 4

## Examples of Job Titles

blow moulding machine operator  
injection moulding operator  
plastics press operator  
printing roller moulder

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to operate moulding machines that mould plastic products according to specifications
- **Spatial and form perception** to set up moulding machines and examine materials produced
- **Manual dexterity** to change moulds and adjust machine settings as required
- **Objective interest in controlling** processing by adjusting equipment for production line changes
- **Methodical interest in copying** information to follow formulation cards in order to mix resin batches for injection moulding processes, and to monitor quality of materials produced; in maintaining inventory of materials and in cleaning working areas
- **Innovative interest** in troubleshooting, maintaining and making minor repairs to equipment



## Physical Activities

**Vision**  
3 Near and far vision

**Colour Discrimination**  
1 Relevant

**Hearing**  
1 Limited

**Body Position**  
2 Standing and/or walking

**Limb Co-ordination**  
1 Upper limb co-ordination

**Strength**  
2 Light

## Environmental Conditions

**Location**  
L1 Regulated inside climate  
L2 Unregulated inside climate

**Hazards**  
H1 Dangerous chemical substances  
H3 Equipment, machinery, tools  
H7 Fire, steam, hot surfaces

## Employment Requirements

Education/Training  
2, 4

- Completion of secondary school may be required.
- On-the-job training is provided.
- Several years of experience as a helper, tender or packer in the same company may be required.
- Completion of a statistical process control (SPC) course may be required.
- Completion of courses in hydraulics, pneumatics and electronics systems may be required.

## Workplaces/Employers

Plastic products manufacturing companies

## Occupational Options

Mobility among the various operators in the 9422 group is possible.

Progression to supervisory positions is possible with experience.

## Similar Occupations Classified Elsewhere

*Labourers in Rubber and Plastic Products Manufacturing (9615)*

*Plastic Products Assemblers, Finishers and Inspectors (9495)*

*Rubber Processing Machine Operators and Related Workers (9423)*

*Supervisors, Plastic and Rubber Products Manufacturing (9214)*

# 9423.1 Rubber Processing Machine Operators

Rubber processing machine operators operate processing machines used in the manufacture of rubber products.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
4	4	4	4	4	4	3	4	3

### INTERESTS

Omi

### DATA PEOPLE THINGS (DPT)

685

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	0	1	2	1	2

### ENVIRONMENTAL CONDITIONS (EC)

L1, H3, H7\*, D1, D3

### EDUCATION/TRAINING

2

## Examples of Job Titles

banbury operator – rubber products manufacturing

calender machine operator – rubber products manufacturing

cracker operator – rubber products manufacturing

cure operator – rubber products manufacturing

extruder operator – rubber products manufacturing

rubber processing machine operator

scrap rubber grinder – recycling

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to set up and operate rubber processing machinery
- **Motor co-ordination and manual dexterity** to adjust machines to proper settings, and to load and feed rubber, pigments, filler, oil and chemicals into machines
- **Objective interest in tending** machinery used for mixing, calendering, extruding, moulding and curing rubber materials and rubber products
- **Methodical interest** in **comparing** to check and monitor processing conditions and product quality
- **Innovative interest** in making adjustments to machines and in training and helping train new workers

## Physical Activities

### Vision

2 Near vision

### Colour Discrimination

0 Not relevant

### Hearing

1 Limited

### Body Position

2 Standing and/or walking

### Limb Co-ordination

1 Upper limb co-ordination

### Strength

2 Light

## Environmental Conditions

### Location

L1 Regulated inside climate

### Hazards

H3 Equipment, machinery, tools  
H7\* Fire, steam, hot surfaces

### Discomforts

D1 Noise  
D3 Odours

## Employment Requirements

### Education/Training

2

- Completion of secondary school may be required.
- Experience as a labourer in the same company may be required.
- On-the-job training is provided.

## Workplaces/Employers

Rubber products manufacturing companies

Tire manufacturers

## Occupational Options

Mobility among the various positions in the 9423 group is possible.

Progression to supervisory positions is possible with experience.

## Similar Occupations Classified Elsewhere

*Labourers in Rubber and Plastic Products Manufacturing (9615)*

*Plastic Products Assemblers, Finishers and Inspectors (9495)*

*Plastics Processing Machine Operators (9422)*

*Supervisors, Plastic and Rubber Products Manufacturing (9214)*

## Remarks

\*Environmental Conditions

- For some occupations in this group, Hazards H7 (Fire, steam, hot surfaces) may also apply.

# 9423.2 Assemblers, Rubber Products

Assemblers in this group put together rubber products.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
4	4	4	4	4	4	3	4	3

### INTERESTS

OMi

### DATA PEOPLE THINGS (DPT)

684

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	0	1	4	1	4

### ENVIRONMENTAL CONDITIONS (EC)

L1, H3, D1

### EDUCATION/TRAINING

2

## Examples of Job Titles

assembler, rubber goods  
belt builder, rubber  
hose builder, rubber  
rubber products assembler  
tire builder

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to operate machines and equipment to assemble rubber products
- **Motor co-ordination and manual dexterity** to use hand tools to cut, shape, splice, fit and cement rubber materials to form rubber parts and products
- **Objective interest** in operating finishing machines and equipment to trim, grind and buff rubber parts and products into final form
- **Methodical interest** in comparing information to lay out and prepare rubber materials for assembly
- **Innovative interest** in training and helping train new workers

## Physical Activities

### Vision

2 Near vision

### Colour Discrimination

0 Not relevant

### Hearing

1 Limited

### Body Position

4 Other body positions

### Limb Co-ordination

1 Upper limb co-ordination

### Strength

4 Heavy

## Environmental Conditions

### Location

L1 Regulated inside climate

### Hazards

H3 Equipment, machinery, tools

### Discomforts

D1 Noise

## Employment Requirements

### Education/Training

2

- Completion of secondary school may be required.
- Experience as a labourer in the same company may be required.
- On-the-job training is provided.

## Workplaces/Employers

Rubber products manufacturing companies

Tire manufacturers

## Occupational Options

Mobility among the various positions in the 9423 group is possible.

Progression to supervisory positions is possible with experience.

## Similar Occupations Classified Elsewhere

*Labourers in Rubber and Plastic Products Manufacturing (9615)*

*Plastic Products Assemblers, Finishers and Inspectors (9495)*

*Plastics Processing Machine Operators (9422)*

*Supervisors, Plastic and Rubber Products Manufacturing (9214)*

# 9423.3 Rubber Products Inspectors

Rubber products inspectors examine products to ensure that they conform to specifications and quality standards.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
4	4	4	4	4	4	3	4	3

### INTERESTS

OMD

### DATA PEOPLE THINGS (DPT)

587

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	0	1	4	1	2

### ENVIRONMENTAL CONDITIONS (EC)

L1

### EDUCATION/TRAINING

2

## Examples of Job Titles

inspector, rubber products manufacturing  
tire inspector

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to inspect rubber products for defects and to ensure that they conform to specifications and quality standards
- **Motor co-ordination and manual dexterity** to affix seals and tags to approved products
- **Objective interest** in **handling** to examine products visually; and in using instruments to check that products conform to specifications; may make minor adjustments and repairs to products
- **Methodical interest** in **copying** to fill out product inspection reports; and in marking defective products
- **Directive interest** in rerouting defective products for repair or recycle

**Physical Activities**

Vision  
2 Near vision

Colour Discrimination  
0 Not relevant

Hearing  
1 Limited

Body Position  
4 Other body positions

Limb Co-ordination  
1 Upper limb co-ordination

Strength  
2 Light

**Environmental Conditions**

Location  
L1 Regulated inside climate

**Employment Requirements**

Education/Training  
2

- Completion of secondary school may be required.
- Experience as a labourer in the same company may be required.
- On-the-job training is provided.

**Workplaces/Employers**

Rubber products manufacturing companies  
Tire manufacturers

**Occupational Options**

Mobility among the various positions in the 9423 group is possible.

Progression to supervisory positions is possible with experience.

**Similar Occupations Classified Elsewhere**

*Labourers in Rubber and Plastic Products Manufacturing (9615)*

*Plastic Products Assemblers, Finishers and Inspectors (9495)*

*Plastics Processing Machine Operators (9422)*

*Supervisors, Plastic and Rubber Products Manufacturing (9214)*



# 9424.1 Water Plant Operators

Water plant operators monitor and operate computerized control systems and equipment in water filtration and treatment plants to regulate the treatment and distribution of water.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	3	3	3	3	3	4	4	3

### INTERESTS

OIM

### DATA PEOPLE THINGS (DPT)

282

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	1	1	3	1	1

### ENVIRONMENTAL CONDITIONS (EC)

L1, H1\*, H3, D1, D3

### EDUCATION/TRAINING

4, R

## Examples of Job Titles

environmental systems operator – water treatment  
operator, water purification plant  
water filtration plant operator  
water treatment plant operator

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to operate and monitor computerized control systems and equipment in water filtration and treatment plants
- **Verbal ability** to complete plant logs and reports, and to respond to customer complaints on water quality problems
- **Numerical ability and clerical perception** to read flow meters, gauges and other recording instruments to measure water output, consumption levels, bacterial content, and chlorine and fluoride levels
- **Spatial and form perception** to inspect systems and equipment to detect malfunctions and to ensure that they are operating normally
- **Manual dexterity** to make adjustments to systems and equipment
- **Objective interest in controlling** systems and equipment to regulate the treatment and distribution of water; in performing minor maintenance or assisting skilled tradespersons with installations and repairs of plant machinery; and in measuring, mixing and transporting chemicals to maintain feed stocks
- **Innovative interest in analyzing** test results and instrument readings; and in making adjustments to systems and equipment as required
- **Methodical interest** in collecting and testing water samples for chemical and bacterial content, and in maintaining plant logs and reports; and in performing security checks in plants and on grounds

## Physical Activities

### Vision

- 2 Near vision

### Colour Discrimination

- 1 Relevant

### Hearing

- 1 Limited

### Body Position

- 3 Sitting, standing, walking

### Limb Co-ordination

- 1 Upper limb co-ordination

### Strength

- 1 Limited

## Environmental Conditions

### Location

- L1 Regulated inside climate

### Hazards

- H1\* Dangerous chemical substances
- H3 Equipment, machinery, tools

### Discomforts

- D1 Noise
- D3 Odours

## Employment Requirements

### Education/Training

- 4, R

- Completion of secondary school is usually required.
- College, high school or industry training courses in water treatment and pollution control are required.
- Certification in water distribution or treatment (Levels I, II or III) is required.
- Certification in workplace hazardous materials information system (WHMIS), transportation of dangerous goods (TDG), and courses in safety practices may be required.

- On-the-job training is provided.
- Previous experience as a labourer or utilities maintenance worker with the same employer may be required.

## Workplaces/Employers

Industries

Institutions

Municipal governments

## Occupational Options

There is limited mobility between water plant and waste plant operators.

Progression to supervisory positions is possible with experience.

## Similar Occupations Classified Elsewhere

*Supervisors, Petroleum, Gas and Chemical Processing and Utilities (9212)*

*Water and waste plant labourers (in 9613 Labourers in Chemical Products Processing and Utilities)*

*Waterworks and Gas Maintenance Workers (7442)*

## Remarks

\*Environmental Conditions

- For some occupations in this group, Hazards H1 (Dangerous chemical substances) may also apply.

## 9424.2 Waste Plant Operators

Waste plant operators monitor and operate computerized control systems and related equipment in waste water, sewage treatment and liquid waste plants to regulate the treatment and disposal of sewage and wastes.

### Profile Summary

#### APTITUDES

G	V	N	S	P	Q	K	F	M
3	3	3	3	3	3	4	4	3

#### INTERESTS

OIM

#### DATA PEOPLE THINGS (DPT)

282

#### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	1	1	3	1	1

#### ENVIRONMENTAL CONDITIONS (EC)

L1, L3, H2\*, H3, D1, D3

#### EDUCATION/TRAINING

4, R

### Examples of Job Titles

process operator, liquid waste  
sewage plant operator  
wastewater treatment plant operator

### Descriptor Profile

#### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to operate and monitor computerized control systems and equipment in wastewater treatment, sewage treatment and liquid waste plants
- **Verbal ability** to complete plant logs and reports
- **Numerical ability** and **clerical perception** to monitor and read gauges, meters and other recording instruments to detect equipment malfunctions
- **Spatial** and **form perception** to patrol plant to inspect pumps, motors, filters, chlorimeters and other equipment to ensure that systems are operating within prescribed limits
- **Manual dexterity** to adjust plant systems and equipment
- **Objective interest** in **controlling** systems and equipment to regulate flow of sewage through settling, aeration and digestion tanks, and to treat and dispose of sewage wastes; and in performing minor maintenance, or assisting skilled tradespersons with installations and repairs of plant machinery
- **Innovative interest** in **analyzing** test results and instrument readings; and in making adjustments to systems and equipment as required
- **Methodical interest** in collecting and testing waste and sewage samples, in maintaining plant logs and reports, and in performing security checks in plants and on grounds

---

**Physical Activities**

---

**Vision**

- 2 Near vision

**Colour Discrimination**

- 1 Relevant

**Hearing**

- 1 Limited

**Body Position**

- 3 Sitting, standing, walking

**Limb Co-ordination**

- 1 Upper limb co-ordination

**Strength**

- 1 Limited
- 

**Environmental Conditions**

---

**Location**

- L1 Regulated inside climate  
L3 Outside

**Hazards**

- H2\* Biological agents  
H3 Equipment, machinery, tools

**Discomforts**

- D1 Noise  
D3 Odours
- 

---

**Employment Requirements**

---

**Education/Training**

- 4, R

- Completion of secondary school is usually required.
- College, high school or industry training courses in water treatment and pollution control are required.
- Certification in water distribution or treatment (Class I, II or III) is required.
- Certification in workplace hazardous materials information system (WHMIS), transportation of dangerous goods (TDG), and courses in safety practices may be required.
- On-the-job training is provided.

- Previous experience as a labourer or utilities maintenance worker with the same employer may be required.
- 

**Workplaces/Employers**

---

Industries

Institutions

Municipal governments

---

**Occupational Options**

---

There is limited mobility between water plant and waste plant operators.

Progression to supervisory positions is possible with experience.

---

**Similar Occupations Classified Elsewhere**

---

*Supervisors, Petroleum, Gas and Chemical Processing and Utilities (9212)*

Water and waste plant labourers (in 9613  
*Labourers in Chemical Products Processing and Utilities*)

*Waterworks and Gas Maintenance Workers (7442)*

---

**Remarks**

---

\*Environmental Conditions

- For some occupations in this group, Hazards H2 (Biological agents) may also apply.

# 9431 Sawmill Machine Operators

Sawmill machine operators operate, monitor and control automated lumbermill equipment to saw timber logs into rough lumber; to saw, trim and plane rough lumber into dressed lumber of various sizes; and to saw or split shingles and shakes.

## Profile Summary

APTITUDES								
G	V	N	S	P	Q	K	F	M
3	4	4	3	3	5	3	4	3
<hr/>								
INTERESTS								
OMi								
<hr/>								
DATA PEOPLE THINGS (DPT)								
384								
<hr/>								
PHYSICAL ACTIVITIES (PA)								
V	C	H	B	L	S			
3	0	1	4	1	4			
<hr/>								
ENVIRONMENTAL CONDITIONS (EC)								
L1, H3, H6, D1, D4								
<hr/>								
EDUCATION/TRAINING								
2, 4, +, R								

## Examples of Job Titles

circular saw operator  
edgerman/woman  
head sawyer  
log cut-off operator  
planer operator  
resaw operator  
shake splitter  
trimmerman/woman

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to operate automated lumbermill equipment from control rooms and equipment consoles to saw logs into rough lumber, and to print production reports
- **Spatial perception** to monitor computer screens and the movement of lumber to ensure that cuts are made according to specifications
- **Form perception** to sort and stack lumber by length and thickness
- **Motor co-ordination and manual dexterity** to start conveyor systems to move logs and lumber to and from saw, feed lumber through planers and to clean and lubricate equipment
- **Objective interest in operating** front end loaders and stationary deck cranes to feed logs into sawmill, machines to saw, trim and plane rough lumber into dressed lumber of various sizes, to saw and split shingles and shakes and automated equipment to convey logs through laser scanners which determine the most productive and profitable cutting patterns; and in moving stacks to storage areas and drying kilns
- **Methodical interest in compiling** information while examining logs and rough lumber to determine size, condition, quality and other characteristics in order to decide what cuts are required
- **Innovative interest** in setting up and adjusting saw equipment, and replacing blades and bands using wrenches, gauges and other hand tools

## Physical Activities

**Vision**  
3 Near and far vision

**Colour Discrimination**  
0 Not relevant

**Hearing**  
1 Limited

**Body Position**  
4 Other body positions

**Limb Co-ordination**  
1 Upper limb co-ordination

**Strength**  
4 Heavy

## Environmental Conditions

**Location**  
L1 Regulated inside climate

**Hazards**  
H3 Equipment, machinery, tools  
H6 Flying particles, falling objects

**Discomforts**  
D1 Noise  
D4 Non-toxic dusts

## Employment Requirements

**Education/Training**  
2, 4, +, R

- Completion of secondary school may be required.
- College courses in wood processing technology may be required.
- Several weeks of on-the-job training are usually provided.
- Head sawyers and planer operators usually require several years of experience in other sawmill machine operating positions in the same company.
- A certificate in industrial first aid may be required.

## Workplaces/Employers

Planing mills  
Sawmills

## Occupational Options

There is some mobility among jobs in this occupational group.

Progression to supervisory positions is possible with experience.

## Similar Occupations Classified Elsewhere

*Labourers in Wood, Pulp and Paper Processing* (9614)

*Lumber Graders and Other Wood Processing Inspectors and Graders* (9436)

*Other Wood Processing Machine Operators* (9434)

*Supervisors, Forest Products Processing* (9215)

*Woodworking Machine Operators* (9513)



# 9432 Pulp Mill Machine Operators

Pulp mill machine operators operate and monitor processing machinery and equipment to produce pulp.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	4	4	4	4	4	4	4	3

### INTERESTS

OMi

### DATA PEOPLE THINGS (DPT)

564

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	0	1	2	1	2

### ENVIRONMENTAL CONDITIONS (EC)

L1, H3, H7\*, D1, D3

### EDUCATION/TRAINING

4, 6, R

## Examples of Job Titles

assistant bleacher operator – pulp and paper

assistant digester operator

cook's first helper – pulp and paper

field operator – pulp and paper

grinderman/woman – pulp and paper

refiner operator – pulp and paper

repulper operator

screenman/woman – pulp and paper

thermomechanical pulp assistant operator

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to monitor machinery and equipment to carry out one or more cellulose processing steps, and to maintain and complete production reports
- **Manual dexterity** to collect processing samples and conduct titration tests, pH readings, specific density tests and other routine tests on pulp and solutions
- **Objective interest in operating** and monitoring screening equipment, bleaching equipment, digesters, mixing tanks, washers and other pulp processing machinery and equipment to carry out one or more cellulose processing steps
- **Methodical interest in copying** to observe equipment and machinery panel indicators, gauges, level indicators and other instruments to detect malfunctions and to ensure that process steps are carried out according to specifications
- **Innovative interest in speaking** with pulping control operators to make process adjustments and start up or shut down machinery and equipment as required



---

**Physical Activities**


---

**Vision**

2 Near vision

**Colour Discrimination**

0 Not relevant

**Hearing**

1 Limited

**Body Position**

2 Standing and/or walking

**Limb Co-ordination**

1 Upper limb co-ordination

**Strength**

2 Light

---

**Environmental Conditions**


---

**Location**

L1 Regulated inside climate

**Hazards**

H3 Equipment, machinery, tools

H7\* Fire, steam, hot surfaces

**Discomforts**

D1 Noise

D3 Odours

---

**Employment Requirements**


---

**Education/Training**

4, 6, R

- Completion of secondary school is required.
- A college diploma in forest products processing or a related subject may be required.
- Completion of several weeks of formal company training and several months of on-the-job training is required.
- Previous experience as a pulp mill labourer within the same company is usually required.
- A certificate in industrial first aid may be required.

---

**Workplaces/Employers**


---

Pulp and paper companies

---

**Occupational Options**


---

There is limited mobility among jobs within this occupational group.

Progression to pulping control operator is possible with experience.

---

**Similar Occupations Classified Elsewhere**


---

*Labourers in Wood, Pulp and Paper Processing (9614)*

*Pulping Control Operators (9233)*

*Supervisors, Forest Products Processing (9215)*

---

**Remarks**


---

\*Environmental Conditions

- For some occupations in this group, Hazards H7 (Fire, steam, hot surfaces) may also apply.

# 9433     Papermaking and Finishing Machine Operators

Papermaking and finishing machine operators operate process machinery and equipment and assist papermaking and coating control operators to produce, coat and finish paper.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
4	4	4	3	3	4	3	4	3

### INTERESTS

OMi

### DATA PEOPLE THINGS (DPT)

564

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	0	1	2	1	3

### ENVIRONMENTAL CONDITIONS (EC)

L1, H3, D1, D3

### EDUCATION/TRAINING

4, R

## Examples of Job Titles

assistant coating operator – pulp and paper  
balerman/woman – pulp and paper  
calender operator – pulp and paper  
embossing calender operator – pulp and paper  
fourth hand – pulp and paper  
graderman/woman – pulp and paper  
sheeter operator – pulp and paper  
winderman/woman – pulp and paper

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to monitor papermaking and finishing process machinery and equipment, and to maintain and complete production reports
- **Spatial perception** to observe equipment and ensure that process steps are carried out according to specifications
- **Form perception** to inspect paper visually for wrinkles, holes, discolouration, streaks and other defects
- **Motor co-ordination** and **manual dexterity** to mount, position and thread paper rolls using a hoist
- **Objective interest** in **operating** machinery and equipment to dry, calender, laminate, coat, slit, trim, wind and carry out process steps; and in controlling process machinery using a distributed control system and process computers
- **Methodical interest** in **copying** to observe equipment and machinery, panel indicators, gauges, level indicators and other instruments to detect malfunctions and take corrective action
- **Innovative interest** in **speaking** with and assisting papermaking and coating control operators to make process adjustments and to start up or shut down process machines as required

---

**Physical Activities**


---

Vision  
2 Near vision

Colour Discrimination  
0 Not relevant

Hearing  
1 Limited

Body Position  
2 Standing and/or walking

Limb Co-ordination  
1 Upper limb co-ordination

Strength  
3 Medium

---

**Environmental Conditions**


---

Location  
L1 Regulated inside climate

Hazards  
H3 Equipment, machinery, tools

Discomforts  
D1 Noise  
D3 Odours

---

**Employment Requirements**


---

Education/Training  
4, R

- Completion of secondary school is required.
- Completion of several weeks of formal company training and several months of on-the-job training is required.
- Previous experience as a labourer within the same company is usually required.
- A certificate in industrial first aid may be required.
- A competency certificate in natural gas may be required.

---

**Workplaces/Employers**


---

Pulp and paper companies

---

**Occupational Options**


---

There is limited mobility among jobs within this occupational group.

Progression to papermaking and coating control operator occupations is possible with experience.

---

**Similar Occupations Classified Elsewhere**


---

*Labourers in Wood, Pulp and Paper Processing (9614)*

Machine operators engaged in fabricating and assembling paper products (in 9435 *Paper Converting Machine Operators*)

*Papermaking and Coating Control Operators (9234)*

*Supervisors, Forest Products Processing (9215)*

# 9434 Other Wood Processing Machine Operators

Machine operators in this group operate and tend processing equipment and machines to remove bark from logs, to produce wood chips, to preserve and treat wood, and to produce waferboard, particle board, hardboard, insulation board, plywood, veneer and similar wood products.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	4	4	4	4	4	3	4	3

### INTERESTS

OMi

### DATA PEOPLE THINGS (DPT)

584

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
3	0	1	4	1	3

### ENVIRONMENTAL CONDITIONS (EC)

L1, L2, H1\*, H3, H6, H7\*, D1, D3, D4

### EDUCATION/TRAINING

4

## Examples of Job Titles

barker operator  
chipper operator  
lumber kiln operator  
particle board line operator  
plywood panel assembler  
timber treating tank operator  
veneer dryer tender  
veneer lathe operator  
waferboard press operator  
wood treater

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to operate and tend processing equipment and machines to remove bark, knots and dirt from logs, to reduce logs and sawmill waste into wood chips or flakes, to stack and band lumber, to screen wood chips, and to produce waferboard, particle board, hardboard and insulation board, and to complete and maintain production reports
- **Motor co-ordination and manual dexterity** to assemble plywood panels and repair plywood and veneer mechanically and manually
- **Objective interest in operating** and tending conveyors, lathes, sanding machines and other equipment to peel and slice veneer from logs and log sections, and to glue, press, trim, sand and splice veneer sheets; and in operating kilns, treating tanks and other equipment to dry lumber and other wood products, and to chemically treat and impregnate wood products with preservatives
- **Methodical interest in copying** to observe equipment, panel indicators, video monitors and other instruments to detect malfunctions and ensure that machinery and equipment are operating according to specifications
- **Innovative interest** in assisting in maintaining, setting up, adjusting, starting up and shutting down process equipment and machines as required

## Physical Activities

**Vision**  
3 Near and far vision

**Colour Discrimination**  
0 Not relevant

**Hearing**  
1 Limited

**Body Position**  
4 Other body positions

**Limb Co-ordination**  
1 Upper limb co-ordination

**Strength**  
3 Medium

## Environmental Conditions

**Location**  
L1 Regulated inside climate  
L2 Unregulated inside climate

**Hazards**  
H1\* Dangerous chemical substances  
H3 Equipment, machinery, tools  
H6 Flying particles, falling objects  
H7\* Fire, steam, hot surfaces

**Discomforts**  
D1 Noise  
D3 Odours  
D4 Non-toxic dusts

## Employment Requirements

**Education/Training**  
4

- Completion of secondary school is usually required.
- Several months of on-the-job training are provided.
- For lumber kiln operators, particle board operators and waferboard operators, some combination of college or company courses and up to one year of on-the-job training may be required.
- Previous experience as a labourer in wood processing may be required.

## Workplaces/Employers

Planing mills  
Sawmills  
Waferboard plants  
Wood processing plants  
Wood treatment plants  
Woodrooms of pulp mills

## Occupational Options

There is some mobility among jobs in this group.

Progression to other positions in the wood, pulp and paper industries is possible with experience.

## Similar Occupations Classified Elsewhere

*Labourers in Wood, Pulp and Paper Processing (9614)*

*Sawmill Machine Operators (9431)*

*Supervisors, Forest Products Processing (9215)*

## Remarks

\*Environmental Conditions

- For some occupations in this group, Hazards H1 (Dangerous chemical substances) and H7 (Fire, steam, hot surfaces) may also apply.

# 9435 Paper Converting Machine Operators

Paper converting machine operators operate machines that fabricate and assemble paper products such as paper bags, containers, boxes, envelopes and similar articles.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
4	4	4	3	3	4	4	4	3

### INTERESTS

MOi

### DATA PEOPLE THINGS (DPT)

684

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	0	1	2	1	2

### ENVIRONMENTAL CONDITIONS (EC)

L1, H3, D1

### EDUCATION/TRAINING

4

## Examples of Job Titles

box maker operator  
carton forming machine operator  
core maker  
corrugator operator  
envelope maker operator  
paper bag machine operator  
paper box machine operator

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to operate machines that cut, fold, glue and clip paper and cardboard to make boxes, corrugated cartons and other articles
- **Spatial and form perception** to operate machines that press paper to form drinking cups and other containers
- **Manual dexterity** to clean and lubricate machines and perform other routine maintenance
- **Methodical interest** in **comparing** to operate machines that glue paper to cardboard and cut it to required lengths
- **Objective interest** in **operating** machines that cut, glue and fold paper to make envelopes and paper bags, and other paper converting machines to form products such as paper tubes, cards, paper towels and diapers
- **Innovative interest** in setting up machines

### Physical Activities

#### Vision

2 Near vision

#### Colour Discrimination

0 Not relevant

#### Hearing

1 Limited

#### Body Position

2 Standing and/or walking

#### Limb Co-ordination

1 Upper limb co-ordination

#### Strength

2 Light

### Environmental Conditions

#### Location

L1 Regulated inside climate

#### Hazards

H3 Equipment, machinery, tools

#### Discomforts

D1 Noise

### Employment Requirements

#### Education/Training

4

- Completion of secondary school is required by the pulp and paper industry and other large employers.
- Several weeks of on-the-job training are provided.
- Previous experience as a labourer within the same company may be required.

### Workplaces/Employers

Paper products manufacturing companies

### Occupational Options

There is some mobility among jobs in this occupational group.

### Similar Occupations Classified Elsewhere

*Papermaking and Finishing Machine Operators (9433)*

*Printing Machine Operators (9471)*

*Printing Press Operators (7381)*



# 9436.1 Lumber Graders

Lumber graders inspect and grade lumber to identify defects, to ensure that the lumber conforms to company specifications, and to classify lumber according to industry standards.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
4	4	4	4	3	4	4	3	4

### INTERESTS

Moi

### DATA PEOPLE THINGS (DPT)

587

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
3	0	1	4	1	3

### ENVIRONMENTAL CONDITIONS (EC)

L1, L2, H3, D1, D4

### EDUCATION/TRAINING

4, R

## Examples of Job Titles

green lumber grader  
lumber grader  
lumber marker  
wood measurer – lumber

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning** ability to classify and sort lumber according to industry standards
- **Form perception** to examine lumber for knots, holes, splits and other defects
- **Finger dexterity** to use callipers, gauges and tape measures
- **Methodical interest in copying** information to complete and maintain reports, and tally and stamp lumber to indicate grade, wood types, moisture levels and other characteristics; and in measuring lumber to ensure that it meets specified thicknesses, lengths and widths
- **Objective interest in handling** to measure and stamp lumber
- **Innovative interest** in sorting lumber for further drying, trimming and remanufacturing

## Physical Activities

**Vision**  
3 Near and far vision

**Colour Discrimination**  
0 Not relevant

**Hearing**  
1 Limited

**Body Position**  
4 Other body positions

**Limb Co-ordination**  
1 Upper limb co-ordination

**Strength**  
3 Medium

## Environmental Conditions

**Location**  
L1 Regulated inside climate  
L2 Unregulated inside climate

**Hazards**  
H3 Equipment, machinery, tools

**Discomforts**  
D1 Noise  
D4 Non-toxic dusts

## Employment Requirements

**Education/Training**  
4, R

- Completion of secondary school is usually required.
- On-the-job training and up to two weeks of classroom training are provided for lumber graders.
- Previous experience as a sawmill machine operator, other wood processing operator or as a labourer in wood processing is usually required for graders in this group.
- Lumber graders require a lumber grader's licence issued by a provincial lumber association.

## Workplaces/Employers

Planing mills  
Sawmills  
Waferboard plants  
Wood processing companies  
Wood treatment plants

## Occupational Options

There is some mobility among employers processing similar wood products.

## Similar Occupations Classified Elsewhere

Forest products technologists (in 2211 *Chemical Technologists and Technicians*)

Log scalers (in 2223 *Forestry Technologists and Technicians*)

Production technologists in sawmills (in 2233 *Industrial Engineering and Manufacturing Technologists and Technicians*)

*Supervisors, Forest Products Processing* (9215)

## 9436.2 Other Wood Processing Inspectors and Graders

Inspectors and graders in this group inspect and grade shingles, veneer, waferboard and similar wood products to identify defects, to ensure that they conform to company specifications and to classify products according to industry standards.

### Profile Summary

#### APTITUDES

G	V	N	S	P	Q	K	F	M
4	4	4	4	3	4	4	3	4

#### INTERESTS

Moi

#### DATA PEOPLE THINGS (DPT)

587

#### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
3	0	1	4	1	3

#### ENVIRONMENTAL CONDITIONS (EC)

L1, D1, D4

#### EDUCATION/TRAINING

4

### Examples of Job Titles

grader – wood processing  
grader tallyman/woman – wood processing  
particle board grader – wood processing  
plywood grader  
plywood inspector  
veneer grader  
wood measurer – wood processing

### Descriptor Profile

#### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to grade and label wood products according to quality standards
- **Form perception** to examine and inspect plywood panels, veneer sheets, panelboards, shingles and similar wood products for straightness and for knots, holes, splits and other defects
- **Finger dexterity** to use standard measuring instruments
- **Methodical interest** in copying information to maintain and complete inspection and grading reports and mark defects; and in measuring wood products to ensure that they conform to specifications
- **Objective interest** in handling to measure, mark and sort wood products
- **Innovative interest** in sorting products for repair and reprocessing

## Physical Activities

### Vision

3 Near and far vision

### Colour Discrimination

0 Not relevant

### Hearing

1 Limited

### Body Position

4 Other body positions

### Limb Co-ordination

1 Upper limb co-ordination

### Strength

3 Medium

## Environmental Conditions

### Location

L1 Regulated inside climate

### Discomforts

D1 Noise

D4 Non-toxic dusts

## Employment Requirements

### Education/Training

4

- Completion of secondary school is usually required.
- Previous experience as a sawmill machine operator, other wood processing operator or as a labourer in wood processing is usually required for graders in this group.

## Workplaces/Employers

Planing mills

Sawmills

Waferboard plants

Wood processing companies

Wood treatment plants

## Occupational Options

There is some mobility among employers processing similar wood products.

## Similar Occupations Classified Elsewhere

Forest products technologists (in 2211 *Chemical Technologists and Technicians*)

Log scalers (in 2223 *Forestry Technologists and Technicians*)

Production technologists in sawmills (in 2233 *Industrial Engineering and Manufacturing Technologists and Technicians*)

*Supervisors, Forest Products Processing* (9215)

# 9441     Textile Fibre and Yarn Preparation Machine Operators

Textile fibre and yarn preparation machine operators prepare textile fibres and spin, wind and twist yarn and thread.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
4	4	5	4	4	5	3	4	3

### INTERESTS

MOI

### DATA PEOPLE THINGS (DPT)

664

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	1	1	2	1	3

### ENVIRONMENTAL CONDITIONS (EC)

L1, H3, D1, D4

### EDUCATION/TRAINING

2

## Examples of Job Titles

card tender  
opening and blending operator  
slasher operator – textile manufacturing  
spinning operator – textile manufacturing  
twisting operator – textile manufacturing  
warping operator – textile manufacturing  
wool scourer

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to operate and feed machines that wash, mix, blend, pick, card, lap, comb and draw fibres
- **Motor co-ordination and manual dexterity** to feed yarn texturizing machines and to tie broken threads
- **Methodical interest** in **comparing** to patrol work areas in order to check for defects and broken yarns
- **Objective interest** in **operating** yarn texturizing machines, spinning and twisting frames, and winding and reeling machines
- **Innovative interest** in **speaking** to notify supervisors and mechanics of equipment malfunctions; and in investigating machine stoppages; may assist with maintenance and minor repairs to machinery

---

**Physical Activities**


---

**Vision**  
2 Near vision

**Colour Discrimination**  
1 Relevant

**Hearing**  
1 Limited

**Body Position**  
2 Standing and/or walking

**Limb Co-ordination**  
1 Upper limb co-ordination

**Strength**  
3 Medium

---

**Environmental Conditions**


---

**Location**  
L1 Regulated inside climate

**Hazards**  
H3 Equipment, machinery, tools

**Discomforts**  
D1 Noise  
D4 Non-toxic dusts

---

**Employment Requirements**


---

**Education/Training**  
2

- Some secondary school education may be required.
- Several months of on-the-job training may be provided.

---

**Workplaces/Employers**


---

Textile companies

---

**Occupational Options**


---

There is considerable mobility among occupations in this group.

Progression to supervisory positions is possible with experience.

---

**Similar Occupations Classified Elsewhere**


---

*Supervisors, Textile Processing (9216)*

# 9442 Weavers, Knitters and Other Fabric-Making Occupations

Workers in this group operate machines to process yarn and thread into woven, non-woven and knitted products as well as to quilt and embroider fabrics. This group also includes workers who perform activities such as reproducing patterns, drawing-in and tying warps and setting up looms.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	4	4	4	3	4	3	3	3

### INTERESTS

OMI

### DATA PEOPLE THINGS (DPT)

662

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	1	1	2	1	2

### ENVIRONMENTAL CONDITIONS (EC)

L1, H3, D1, D4

### EDUCATION/TRAINING

2

## Examples of Job Titles

carpet weaver  
drawer-in  
drawer-in machine operator  
embroidery machine operator  
hosiery knitter  
knitter – textiles  
knitting machine operator  
loom operator  
mattress sewing machine operator  
pinning machine operator  
quilting machine operator  
tufting operator  
warp knitting machine tender  
warp tier-in  
weaver – textiles

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to operate machines to process yarn and thread into woven, non-woven and knitted products such as cloth, lace, carpets, rope, industrial fabric, hosiery and knitted garments, and to quilt and embroider fabrics
- **Form perception** to patrol machines and check fabrics and products for defects, and to verify efficient operation
- **Motor co-ordination and finger dexterity** to repair minor mechanical problems such as broken and defective needles
- **Manual dexterity** to set up looms and other processing machines, and to operate looms in order to weave yarn and thread into textile fabrics and products
- **Objective interest in controlling** machines that produce twine, ropes and nets; knitting machines that produce knitted fabrics, hosiery, garments and other products; carpet tufting machines, felt making needle-punch machines; and other machines that produce textile products
- **Methodical interest in comparing** to read loom patterns and prepare loom pattern mechanisms for processing
- **Innovative interest in speaking** to notify supervisors and repairers of mechanical malfunctions; and in investigating machine stoppages, and in operating automatic multi-needle machines to embroider material and sew yard goods, quilts and mattress coverings



---

## Physical Activities

---

### Vision

- 2 Near vision

### Colour Discrimination

- 1 Relevant

### Hearing

- 1 Limited

### Body Position

- 2 Standing and/or walking

### Limb Co-ordination

- 1 Upper limb co-ordination

### Strength

- 2 Light

---

## Environmental Conditions

---

### Location

- L1 Regulated inside climate

### Hazards

- H3 Equipment, machinery, tools

### Discomforts

- D1 Noise
- D4 Non-toxic dusts

---

## Employment Requirements

---

### Education/Training

- 2

- On-the-job training is provided for periods up to several months, depending on the complexity of the product, whether equipment set-up and maintenance is done by the operator, and the number of machines operated.
- Previous experience as a labourer in the same company may be required for some operators in this group.

---

## Workplaces/Employers

---

Garment manufacturing companies

Mattress manufacturing companies

Textile companies

---

## Occupational Options

---

Movement among employers may be limited by differences in machines and products.

Progression to textile machinery mechanics and repairers or to supervisory positions is possible with experience and training.

---

## Similar Occupations Classified Elsewhere

---

Craft weavers and knitters (in 5244 *Artisans and Craftspersons*)

*Sewing Machine Operators* (9451)

*Supervisors, Textile Processing* (9216)

*Textile Machinery Mechanics and Repairers* (7317)

# 9443 Textile Dyeing and Finishing Machine Operators

Textile dyeing and finishing machine operators bleach, dye and finish yarn, thread, cloth and textile products.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
4	4	4	4	4	4	4	4	3

### INTERESTS

OMI

### DATA PEOPLE THINGS (DPT)

664

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	1	1	2	1	2

### ENVIRONMENTAL CONDITIONS (EC)

L1, H1, H3, H7\*, D1, D3

### EDUCATION/TRAINING

2

## Examples of Job Titles

autoclave tender – textile manufacturing  
bleaching range operator  
carpet drying machine tender  
coater operator – textile manufacturing  
dyer  
dye-range operator  
finishing range operator  
printing operator – textile manufacturing  
screen printing operator – textile manufacturing

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** and **manual dexterity** to set up machines for proper processing
- **Objective interest** in **operating** machines to bleach, dye, coat and finish fabric, thread, yarn and other textile products, and machinery to print designs onto textile products
- **Methodical interest** in **comparing** to examine products for defects and to ensure that products adhere to quality standards; and in mixing dyes and chemicals according to established formulas
- **Innovative interest** in **speaking** to notify supervisors and mechanics of equipment malfunctions

---

**Physical Activities**


---

**Vision**

- 2 Near vision

**Colour Discrimination**

- 1 Relevant

**Hearing**

- 1 Limited

**Body Position**

- 2 Standing and/or walking

**Limb Co-ordination**

- 1 Upper limb co-ordination

**Strength**

- 2 Light

---

**Environmental Conditions**


---

**Location**

- L1 Regulated inside climate

**Hazards**

- H1 Dangerous chemical substances  
H3 Equipment, machinery, tools  
H7\* Fire, steam, hot surfaces

**Discomforts**

- D1 Noise  
D3 Odours

---

**Employment Requirements**


---

**Education/Training**

2

- Completion of secondary school may be required.
- On-the-job training is provided for periods up to several months, depending on the complexity of the process and the number of machines operated.

---

**Workplaces/Employers**


---

Textile manufacturing companies

---

**Occupational Options**


---

Progression is possible within the group to operate more complex dye ranges and textile printing equipment.

Progression to supervisory positions usually requires completion of a college program in textiles, chemistry or a related subject.

---

**Similar Occupations Classified Elsewhere**


---

Master dyers and textile colour technologists (in 2211 *Chemical Technologists and Technicians*)

*Supervisors, Textile Processing (9216)*

---

**Remarks**


---

\*Environmental Conditions

- For some occupations in this group, **Hazards H7** (Fire, steam, hot surfaces) may also apply.

# 9444 Textile Inspectors, Graders and Samplers

Textile inspectors, graders and samplers prepare samples and inspect and grade textile products.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	4	4	4	3	4	4	4	3

### INTERESTS

Moi

### DATA PEOPLE THINGS (DPT)

587

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	1	1	2	1	2

### ENVIRONMENTAL CONDITIONS (EC)

L1, D4

### EDUCATION/TRAINING

2

## Examples of Job Titles

- cloth grader
- cloth inspector
- inspector – textiles
- perch operator
- quality control inspector – textiles
- sampler – textiles
- textile grader
- yarn inspector

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to examine fabric and textile products to make sure they conform to quality standards
- **Form perception** to note slight differences, defects and irregularities in textile products
- **Manual dexterity** to examine fabrics and use testing, inspection and measuring instruments
- **Methodical interest in copying** information to sort products by styles, colours, sizes, lengths and other criteria; and in marking defects and recording information on inspected products
- **Objective interest in handling** textiles to measure and weigh products; may package products
- **Innovative interest** in grading products and in repairing minor defects

Physical Activities

Vision  
2 Near vision

Colour Discrimination  
1 Relevant

Hearing  
1 Limited

Body Position  
2 Standing and/or walking

Limb Co-ordination  
1 Upper limb co-ordination

Strength  
2 Light

Environmental Conditions

Location  
1 Regulated inside climate

Discomforts  
D4 Non-toxic dusts

Employment Requirements

Education/Training  
2

- Some secondary school education may be required.
- On-the-job training is provided.
- Experience as a weaver, knitter or other fabric-making operator may be required for inspection of more valuable and complex products.

Workplaces/Employers

Textile companies

Similar Occupations Classified Elsewhere

*Supervisors, Textile Processing (9216)*

# 9451 Sewing Machine Operators

Sewing machine operators sew fabric, fur, leather and synthetic materials to produce and repair garments and other articles.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
4	4	4	3	3	5	3	3	3

### INTERESTS

OMi

### DATA PEOPLE THINGS (DPT)

684

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
1	1	1	1	2	2

### ENVIRONMENTAL CONDITIONS (EC)

L1, H3, D1

### EDUCATION/TRAINING

2

## Examples of Job Titles

fur sewing machine operator  
leather products sewing machine operator  
lining stitcher  
sample maker  
sample sewer  
serging machine operator  
sewing machine operator  
shoe sewer

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to operate sewing machines to join sections of garments and other articles into finished products on a piecework or production basis
- **Spatial perception** to position articles and materials in machines
- **Form perception** to examine finished products for defects, and to assemble pieces of garments by matching patterns and dye lots
- **Motor co-ordination** and **finger** and **manual dexterity** to thread and operate a variety of sewing machines; may perform minor maintenance and repairs on sewing machines
- **Objective interest** in **operating** single, double and multi-needle, serging, flat bed felling, banding and other sewing machines to sew and overcast edges of materials simultaneously, and to sew leather parts together for garments, handbags, shoes and other articles
- **Methodical interest** in **comparing** to select threads according to specifications and colours of fabrics, and to operate fur sewing machines to join pelt strips to required sizes and shapes and to join pelts into garment sections and shells; and in completing production reports
- **Innovative interest** in operating tackers, pocketsetters, buttonhole makers and fusing, hemmer and other machines to finish garments and other articles, and in using sewing machines, sergers and other machines to repair garments and other articles during manufacturing

## Physical Activities

### Vision

- 1 Close visual acuity

### Colour Discrimination

- 1 Relevant

### Hearing

- 1 Limited

### Body Position

- 1 Sitting

### Limb Co-ordination

- 2 Multiple limb co-ordination

### Strength

- 2 Light

## Environmental Conditions

### Location

- L1 Regulated inside climate

### Hazards

- H3 Equipment, machinery, tools

### Discomforts

- D1 Noise

## Employment Requirements

### Education/Training

2

- Some secondary school education is required.
- Experience operating a sewing machine is usually required.
- On-the-job training may be provided.

## Workplaces/Employers

Clothing manufacturing companies

Footwear manufacturing companies

Fur products manufacturing companies

Furriers

Textile and leather products manufacturing companies

## Occupational Options

Sewing machine operators may progress to supervisory positions with experience.

## Similar Occupations Classified Elsewhere

*Fabric, Fur and Leather Cutters* (9452)

Mattress sewing and embroidery machine operators (in 9442 *Weavers, Knitters and Other Fabric-Making Occupations*)

*Shoe Repairers and Shoemakers* (7343)

Supervisors of sewing machine operators (in 9225 *Supervisors, Fabric, Fur and Leather Products Manufacturing*)

*Tailors, Dressmakers, Furriers and Milliners* (7342)



# 9452.1 Fabric Cutters

Fabric cutters make parts for garments, linens and other articles.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	4	4	4	4	4	3	4	3

### INTERESTS

MOI

### DATA PEOPLE THINGS (DPT)

581

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	0	1	2	1	2

### ENVIRONMENTAL CONDITIONS (EC)

L1, H3, D4

### EDUCATION/TRAINING

2

## Examples of Job Titles

clothing cutter

fabric cutter

sample cutter

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to cut fabrics to make parts for garments, linens and other articles
- **Motor co-ordination and manual dexterity** to place patterns on top of layers of fabric, and to cut fabrics using electric and manual knives and cutters
- **Methodical interest in copying** information to cut fabrics while following patterns
- **Objective interest in precision working** to use computer numerically controlled (CNC) cutting devices to cut layers of fabric; may cut fabric samples
- **Innovative interest** in adjusting guides, cutting blades and other mechanisms for specific operations, and in adapting cutting techniques to type of fabric and style of garment

## Physical Activities

**Vision**  
2 Near vision

**Colour Discrimination**  
0 Not relevant

**Hearing**  
1 Limited

**Body Position**  
2 Standing and/or walking

**Limb Co-ordination**  
1 Upper limb co-ordination

**Strength**  
2 Light

## Environmental Conditions

**Location**  
L1 Regulated inside climate

**Hazards**  
H3 Equipment, machinery, tools

**Discomforts**  
D4 Non-toxic dusts

## Employment Requirements

**Education/Training**  
2

- Some secondary school education is usually required.
- Experience as a fabric cutter is required for fabric sample cutters.
- Some on-the-job training is provided for occupations in this group.

## Workplaces/Employers

Clothing and textile manufacturers  
Manufacturers of fabric products

## Occupational Options

There is little mobility among the different kinds of cutters in the 9452 group.

Progression to supervisory positions is possible with experience.

## Similar Occupations Classified Elsewhere

*Shoe Repairers and Shoemakers (7343)*

*Supervisors, Fabric, Fur and Leather Products Manufacturing (9225)*

*Tailors, Dressmakers, Furriers and Milliners (7342)*

## 9452.2 Fur Cutters

Fur cutters make parts for garments and other fur articles.

### Profile Summary

#### APTITUDES

G	V	N	S	P	Q	K	F	M
3	4	4	4	4	4	3	4	3

#### INTERESTS

MOI

#### DATA PEOPLE THINGS (DPT)

581

#### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	0	1	2	1	2

#### ENVIRONMENTAL CONDITIONS (EC)

L1, H3, D4

#### EDUCATION/TRAINING

2+

### Examples of Job Titles

fur cutter

sample cutter

### Descriptor Profile

#### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to cut fur pelts to make parts for garments and other fur articles
- **Motor co-ordination** and **manual dexterity** to use furriers' knives and cutters
- **Methodical interest** in **copying** to cut fur skins in diagonal strips to specified lengths and shapes of pelts; may sort and match skins
- **Objective interest** in **precision working** with cutting devices to cut fur skins; may prepare fur samples
- **Innovative interest** in numbering pelts to indicate their location on patterns

Physical Activities

Vision  
2 Near vision

Colour Discrimination  
0 Not relevant

Hearing  
1 Limited

Body Position  
2 Standing and/or walking

Limb Co-ordination  
1 Upper limb co-ordination

Strength  
2 Light

Environmental Conditions

Location  
L1 Regulated inside climate

Hazards  
H3 Equipment, machinery, tools

Discomforts  
D4 Non-toxic dusts

Employment Requirements

Education/Training  
2+

- Some secondary school education is usually required.
- Experience as a fur cutter is required for fur sample cutters.
- Several years of on-the-job training are provided for fur cutters.

Workplaces/Employers

Fur products manufacturers  
Furriers

Occupational Options

There is little mobility among the different kinds of cutters in the 9452 group.

Progression to supervisory positions is possible with experience.

Similar Occupations Classified Elsewhere

*Shoe Repairers and Shoemakers (7343)*

*Supervisors, Fabric, Fur and Leather Products Manufacturing (9225)*

*Tailors, Dressmakers, Furriers and Milliners (7342)*

# 9452.3 Leather Cutters

Leather cutters make parts for shoes, garments and other leather articles.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	4	4	4	4	4	3	4	3

### INTERESTS

OMi

### DATA PEOPLE THINGS (DPT)

581

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	0	1	2	1	2

### ENVIRONMENTAL CONDITIONS (EC)

L1, H3, D4

### EDUCATION/TRAINING

2

## Examples of Job Titles

glove cutter

leather cutter

sample cutter

shoe cutter

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to cut leather to make parts for shoes, garments and other articles
- **Motor co-ordination and manual dexterity** to use cutting machines and equipment, and to operate clickers and punch presses to stretch leather
- **Objective interest in precision working** with machines and by hand to make leather products; may cut leather samples
- **Methodical interest in copying** to select leather and cutting dies for goods and shoe parts according to specifications
- **Innovative interest** in positioning leather on cutting beds of machines, and in maximizing usage according to skins' grains, flaws and stretch

## Physical Activities

### Vision

- 2 Near vision

### Colour Discrimination

- 0 Not relevant

### Hearing

- 1 Limited

### Body Position

- 2 Standing and/or walking

### Limb Co-ordination

- 1 Upper limb co-ordination

### Strength

- 2 Light

## Environmental Conditions

### Location

- L1 Regulated inside climate

### Hazards

- H3 Equipment, machinery, tools

### Discomforts

- D4 Non-toxic dusts

## Employment Requirements

### Education/Training

2

- Some secondary school education is usually required.
- Experience as a leather cutter is required for leather sample cutters.
- Some on-the-job training is provided for occupations in this group.

## Workplaces/Employers

Leather garment and other products manufacturers

Shoe manufacturers

## Occupational Options

There is little mobility among the different kinds of cutters in the 9452 group.

Progression to supervisory positions is possible with experience.

## Similar Occupations Classified Elsewhere

*Shoe Repairers and Shoemakers* (7343)

*Supervisors, Fabric, Fur and Leather Products Manufacturing* (9225)

*Tailors, Dressmakers, Furriers and Milliners* (7342)

# 9453 Hide and Pelt Processing Workers

Hide and pelt processing workers prepare hides, pelts and skins to produce leather stock and finished furs.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
4	4	4	4	3	4	3	4	3

### INTERESTS

OMI

### DATA PEOPLE THINGS (DPT)

684

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	1	1	4	1	3

### ENVIRONMENTAL CONDITIONS (EC)

L1, H1, H3, D3, D4, D5

### EDUCATION/TRAINING

2

## Examples of Job Titles

beating machine tender  
leather buffer  
leather stretcher  
pelt dresser  
shaving machine tender  
tanner

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to trim, scrape, clean, tan, buff and dye animal hides, pelts and skins to produce leather stock and finished furs
- **Form perception** to examine hides, skins and pelts for defects
- **Motor co-ordination and manual dexterity** to cut particles of flesh and fat from hides and pelts using hand and powered cutting knives, to remove loose hair from hides and pelts, and to adjust rotation and mixing action of vats according to state of pelts
- **Objective interest in operating** machines to remove flesh and hair from hides, skins and pelts, and to polish and roughen hides and skins to specified finishes; may maintain and repair vats and other machinery
- **Methodical interest in comparing** information to shave hides to uniform thicknesses and to shear fur and wool hides to produce pelts with hair of specified and uniform lengths; and in preparing solutions in vats and revolving drums according to pre-established formulas
- **Innovative interest** in immersing hides and skins in solutions to clean, dehair, pickle, dye, oil and tan them, in immersing pelts in solutions to clean, soften and preserve them, and in tinting and dying furs to enhance their natural shades



---

**Physical Activities**


---

**Vision**

- 2 Near vision

**Colour Discrimination**

- 1 Relevant

**Hearing**

- 1 Limited

**Body Position**

- 4 Other body positions

**Limb Co-ordination**

- 1 Upper limb co-ordination

**Strength**

- 3 Medium
- 

---

**Environmental Conditions**


---

**Location**

- L1 Regulated inside climate

**Hazards**

- H1 Dangerous chemical substances
- H3 Equipment, machinery, tools

**Discomforts**

- D3 Odours
- D4 Non-toxic dusts
- D5 Wetness

---

**Employment Requirements**


---

**Education/Training**

- 2

- On-the-job training is usually provided.

---

**Workplaces/Employers**


---

Fur dressing businesses

Leather and fur dyeing establishments

Leather tanning companies

---

**Occupational Options**


---

There is some mobility among jobs in this group.

Progression to supervisory positions is possible with experience.

---

**Similar Occupations Classified Elsewhere**


---

Supervisors of hide and pelt processing workers (in 9225 *Supervisors, Fabric, Fur and Leather Products Manufacturing*)

# 9454 Inspectors and Testers, Fabric, Fur and Leather Products Manufacturing

Inspectors and testers in this group inspect and grade hides, pelts and leather, garments and other manufactured fabric, fur and leather products.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
4	4	4	3	3	4	3	3	4

### INTERESTS

Moi

### DATA PEOPLE THINGS (DPT)

587

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	1	1	3	1	2

### ENVIRONMENTAL CONDITIONS (EC)

L1

### EDUCATION/TRAINING

2

## Examples of Job Titles

clothing inspector  
cushion and cover inspector  
fur grader  
garment inspector  
hide grader  
leather goods inspector  
pelt grader  
seconds inspector-grader  
shirt inspector

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to inspect and grade animal hides, pelts and leather according to size, condition and weight
- **Spatial and form perception** to inspect garments and similar products for defects such as seam splits, puckers, missing buttons, and colour and shape variations
- **Motor co-ordination and finger dexterity** to trim excess material and loose threads using scissors, to remove lint using brushes and lint removers, to repair minor defects and to remove spots using cleaning solutions
- **Methodical interest** in **copying** to record information on the number and nature of defects, and to tag products according to sizes, styles and quality
- **Objective interest** in **handling** to measure products and verify fit by placing garments over forms
- **Innovative interest** in grading and sorting finished products

---

**Physical Activities**


---

**Vision**  
2 Near vision

**Colour Discrimination**  
1 Relevant

**Hearing**  
1 Limited

**Body Position**  
3 Sitting, standing, walking

**Limb Co-ordination**  
1 Upper limb co-ordination

**Strength**  
2 Light

---

**Environmental Conditions**


---

**Location**  
L1 Regulated inside climate

---

**Employment Requirements**


---

**Education/Training**  
2

- Some secondary school education may be required.
- Work experience in the manufacture of the products under examination is usually required.

---

**Workplaces/Employers**


---

Garment, fur and leather products manufacturers

Leather tanning and fur dressing establishments

---

**Occupational Options**


---

There is little mobility among the different inspectors and testers in this group.

---

**Similar Occupations Classified Elsewhere**


---

*Supervisors, Fabric, Fur and Leather Products Manufacturing (9225)*

*Textile Inspectors, Graders and Samplers (9444)*

# 9461.1 Process Control Operators, Food and Beverage Processing

Process control operators run multi-functional process control machinery to process and package food and beverage products.

---

## Profile Summary

---

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	4	4	4	3	4	3	4	3

---

### INTERESTS

OMI

---

### DATA PEOPLE THINGS (DPT)

682

---

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	0	1	3	1	1

---

### ENVIRONMENTAL CONDITIONS (EC)

L1, D1, D3

---

### EDUCATION/TRAINING

2

---

## Examples of Job Titles

control room operator – food and beverage processing

---

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to operate multi-function process control systems and equipment to process and package food and beverage products
- **Form perception** to observe gauges, computer printouts and video monitors
- **Motor co-ordination** and **manual dexterity** to adjust temperature and pressure controls, and to turn valves to start machines and processing equipment
- **Objective interest** in **controlling** multi-functional processing equipment through control panels, computer terminals and other control systems to process and package food and beverage products
- **Methodical interest** in **comparing** information to monitor equipment in order to verify specified processing conditions, and to maintain shift logs of production and other data
- **Innovative interest** in adjusting process variables such as cooking times, ingredient inputs, flow rates and temperature settings

## Physical Activities

**Vision**  
2 Near vision

**Colour Discrimination**  
0 Not relevant

**Hearing**  
1 Limited

**Body Position**  
3 Sitting, standing, walking

**Limb Co-ordination**  
1 Upper limb co-ordination

**Strength**  
1 Limited

## Environmental Conditions

**Location**  
L1 Regulated inside climate

**Discomforts**  
D1 Noise  
D3 Odours

## Employment Requirements

**Education/Training**  
2

- Completion of secondary school may be required.
- On-the-job training is provided.
- Experience as a machine operator, food and beverage processing, is usually required for process control operators.

## Workplaces/Employers

Bakeries  
Breweries  
Dairies  
Flour mills  
Food and beverage processing establishments  
Fruit and vegetable processing plants  
Meat plants  
Sugar refineries

## Occupational Options

There is little mobility among the various types of process control operators within the food and beverage processing industry.

With experience, process control operators may progress to supervisory positions in food and beverage processing.

## Similar Occupations Classified Elsewhere

*Bakers (6252)*

*Butchers and Meat Cutters – Retail and Wholesale (6251)*

*Fish Plant Workers (9463)*

*Industrial Butchers and Meat Cutters, Poultry Preparers and Related Workers (9462)*

*Labourers in Fish Processing (9618)*

*Labourers in Food, Beverage and Tobacco Processing (9617)*

*Supervisors, Food, Beverage and Tobacco Processing (9213)*

# 9461.2 Machine Operators, Food and Beverage Processing

Machine operators run single-function machines to process and package food and beverage products.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	4	4	4	3	4	3	4	3

### INTERESTS

OMi

### DATA PEOPLE THINGS (DPT)

684

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	0	1	2	1	2

### ENVIRONMENTAL CONDITIONS (EC)

L1, H3, H7\*, D1, D3

### EDUCATION/TRAINING

2

## Examples of Job Titles

bakery machine operator – food and beverage processing  
bottling machine operator  
brewer  
canning machine operator  
chocolate refiner  
fermenter operator  
freezer operator  
fryer operator  
meat grinder  
mixer operator, dry foods  
pasteurizer operator  
sugar boiler

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to operate single function machines to process and package food and beverage products
- **Form perception** to check products for defects
- **Motor co-ordination and manual dexterity** to adjust machines so they operate correctly
- **Methodical interest** in comparing information to make sure products conform to company standards; and in recording production data such as quantities, weights, sizes, dates and types of packaged products
- **Objective interest** in operating processing and packaging machines and equipment
- **Innovative interest** in setting up and adjusting processing and packaging machines

---

**Physical Activities**

---

**Vision**  
2 Near vision

**Colour Discrimination**  
0 Not relevant

**Hearing**  
1 Limited

**Body Position**  
2 Standing and/or walking

**Limb Co-ordination**  
1 Upper limb co-ordination

**Strength**  
2 Light

---

**Environmental Conditions**

---

**Location**  
L1 Regulated inside climate

**Hazards**  
H3 Equipment, machinery, tools  
H7\* Fire, steam, hot surfaces

**Discomforts**  
D1 Noise  
D3 Odours

---

**Employment Requirements**

---

**Education/Training**  
2

- Completion of secondary school may be required.
- On-the-job training is provided.
- Experience as a labourer, food and beverage processing may be required for machine operators.

---

**Workplaces/Employers**

---

Bakeries  
Breweries  
Dairies  
Flour mills  
Food and beverage processing establishments  
Fruit and vegetable processing plants  
Meat plants  
Sugar refineries

---

**Occupational Options**

---

There is mobility among machine operators within the food and beverage processing industry.

With experience, machine operators may progress to process control operators or supervisors in food and beverage processing.

---

**Similar Occupations Classified Elsewhere**

---

*Bakers (6252)*

*Butchers and Meat Cutters – Retail and Wholesale (6251)*

*Fish Plant Workers (9463)*

*Industrial Butchers and Meat Cutters, Poultry Preparers and Related Workers (9462)*

*Labourers in Fish Processing (9618)*

*Labourers in Food, Beverage and Tobacco Processing (9617)*

*Supervisors, Food, Beverage and Tobacco Processing (9213)*

---

**Remarks**

---

\*Environmental Conditions

- For some occupations in this group, Hazards H7 (Fire, steam, hot surfaces) may also apply.



# 9462.1 Industrial Butchers

Industrial butchers prepare meat for further processing, packaging and marketing.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	4	4	4	4	5	4	4	3

### INTERESTS

OMd

### DATA PEOPLE THINGS (DPT)

684

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	0	1	4	1	4

### ENVIRONMENTAL CONDITIONS (EC)

L1, H2, H3, D1, D3, D5

### EDUCATION/TRAINING

2

## Examples of Job Titles

industrial butcher  
slaughterer

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to apply the techniques of slaughtering and skinning livestock; may slaughter cattle, calves and sheep as prescribed by religious laws
- **Manual dexterity** to use stunning devices and knives to stun, slaughter and skin animals
- **Objective interest in operating** equipment to split carcasses into smaller portions to facilitate handling
- **Methodical interest in comparing** information to remove viscera and other inedible parts from carcasses, and to skin, clean and trim carcasses
- **Directive interest** in preparing meat for further processing, packaging and marketing

## Physical Activities

### Vision

- 2 Near vision

### Colour Discrimination

- 0 Not relevant

### Hearing

- 1 Limited

### Body Position

- 4 Other body positions

### Limb Co-ordination

- 1 Upper limb co-ordination

### Strength

- 4 Heavy

## Environmental Conditions

### Location

- L1 Regulated inside climate

### Hazards

- H2 Biological agents
- H3 Equipment, machinery, tools

### Discomforts

- D1 Noise
- D3 Odours
- D5 Wetness

## Employment Requirements

### Education/Training

- 2

- Completion of secondary school may be required.
- On-the-job training is provided.

## Workplaces/Employers

Meat and poultry slaughtering establishments

Processing and packing plants

## Occupational Options

Progression to supervisory positions is possible with experience.

## Similar Occupations Classified Elsewhere

*Butchers and Meat Cutters – Retail and Wholesale (6251)*

Meat graders (in 9465 *Testers and Graders, Food and Beverage Processing*)

Meat inspectors (in 2222 *Agricultural and Fish Products Inspectors*)

Supervisors, meat packing (in 9213 *Supervisors, Food, Beverage and Tobacco Processing*)

# 9462.2 Industrial Meat Cutters

Industrial meat cutters prepare meat and poultry for further processing, packaging and marketing.

Profile Summary									Examples of Job Titles		
APTITUDES									beef boner		
G	V	N	S	P	Q	K	F	M	ham cutter		
3	4	4	4	4	5	4	4	3	industrial meat cutter		
INTERESTS											
OMd											
DATA PEOPLE THINGS (DPT)											
681											
PHYSICAL ACTIVITIES (PA)											
V	C	H	B	L	S						
2	0	1	2	1	4						
ENVIRONMENTAL CONDITIONS (EC)											
L1, H2, H3, D1, D3, D5*											
EDUCATION/TRAINING											
2, 5											

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to cut beef, lamb, pork and veal carcasses or sides and quarters of carcasses into basic cuts

- **Manual dexterity** to use knives, cleavers, saws and other butcher's tools
- **Objective interest in precision working** to remove bones from meat

- **Methodical interest in comparing** information to cut meat and poultry into specific cuts for institutional, commercial and other wholesale use
- **Directive interest** in preparing meat for further cutting, processing and packaging

## Physical Activities

**Vision**  
2 Near vision

**Colour Discrimination**  
0 Not relevant

**Hearing**  
1 Limited

**Body Position**  
2 Standing and/or walking

**Limb Co-ordination**  
1 Upper limb co-ordination

**Strength**  
4 Heavy

## Environmental Conditions

**Location**  
L1 Regulated inside climate

**Hazards**  
H2 Biological agents  
H3 Equipment, machinery, tools

**Discomforts**  
D1 Noise  
D3 Odours  
D5\* Wetness

## Employment Requirements

**Education/Training**  
2, 5

- Completion of secondary school may be required.
- For industrial meat cutters, completion of a program in industrial meat cutting or experience as an industrial butcher or trimmer is required.

## Workplaces/Employers

Meat and poultry slaughtering establishments

Processing and packing plants

## Occupational Options

Industrial meat cutters may progress to inspecting, testing and grading jobs.

Progression to supervisory positions is possible with experience.

## Similar Occupations Classified Elsewhere

*Butchers and Meat Cutters – Retail and Wholesale (6251)*

Meat graders (in 9465 *Testers and Graders, Food and Beverage Processing*)

Meat inspectors (in 2222 *Agricultural and Fish Products Inspectors*)

Supervisors, meat packing (in 9213 *Supervisors, Food, Beverage and Tobacco Processing*)

## Remarks

\*Environmental Conditions

- For some occupations in this group, Discomforts D5 (Wetness) may also apply.

# 9462.3 Poultry Preparers

Poultry preparers prepare poultry for further processing, packaging and marketing.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	4	4	4	4	5	4	4	3

### INTERESTS

OMd

### DATA PEOPLE THINGS (DPT)

684

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	0	1	2	1	2

### ENVIRONMENTAL CONDITIONS (EC)

L1, H2, H3, D1, D3, D4, D5

### EDUCATION/TRAINING

2

## Examples of Job Titles

poultry preparer

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to slaughter poultry
- **Manual dexterity** to use mechanical devices, knives and other butcher's tools
- **Objective interest in operating** equipment to remove feathers and singe and wash poultry
- **Methodical interest in comparing** information to remove inedible parts
- **Directive interest** in preparing poultry for further processing and packaging

Physical Activities

Vision  
2 Near vision

Colour Discrimination  
0 Not relevant

Hearing  
1 Limited

Body Position  
2 Standing and/or walking

Limb Co-ordination  
1 Upper limb co-ordination

Strength  
2 Light

Environmental Conditions

Location  
L1 Regulated inside climate

Hazards  
H2 Biological agents  
H3 Equipment, machinery, tools

Discomforts  
D1 Noise  
D3 Odours  
D4 Non-toxic dusts  
D5 Wetness

Employment Requirements

Education/Training  
2

- Completion of secondary school may be required.
- On-the-job training is provided.

Workplaces/Employers

Meat and poultry slaughtering establishments  
Processing and packing plants

Occupational Options

Progression to supervisory positions is possible with experience.

Similar Occupations Classified Elsewhere

*Butchers and Meat Cutters – Retail and Wholesale (6251)*

Meat graders (in 9465 *Testers and Graders, Food and Beverage Processing*)

Meat inspectors (in 2222 *Agricultural and Fish Products Inspectors*)

Supervisors, meat packing (in 9213 *Supervisors, Food, Beverage and Tobacco Processing*)

# 9462.4 Trimmers

Trimmers prepare meat and poultry for further processing, packaging and marketing.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	4	4	4	4	5	4	4	3

### INTERESTS

OMd

### DATA PEOPLE THINGS (DPT)

684

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	0	1	2	1	2

### ENVIRONMENTAL CONDITIONS (EC)

L1, H2, H3, D1, D3, D5\*

### EDUCATION/TRAINING

2

## Examples of Job Titles

meat trimmer

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to remove skin, excess fat, bruises and other blemishes from carcasses and meat portions
- **Manual dexterity** to use butcher and electric knives
- **Objective interest in operating** equipment to trim meats and fat from bones
- **Methodical interest in comparing** information to trim meat into specified shapes
- **Directive interest** in preparing meat for further processing, packaging and marketing



Physical Activities

- Vision  
2 Near vision
- Colour Discrimination  
0 Not relevant

- Hearing  
1 Limited

- Body Position  
2 Standing and/or walking

- Limb Co-ordination  
1 Upper limb co-ordination

- Strength  
2 Light

Environmental Conditions

- Location  
L1 Regulated inside climate

- Hazards  
H2 Biological agents  
H3 Equipment, machinery, tools

- Discomforts  
D1 Noise  
D3 Odours  
D5\* Wetness

Employment Requirements

- Education/Training  
2
- Completion of secondary school may be required.
  - On-the-job training is provided.

Workplaces/Employers

Meat and poultry slaughtering establishments

Processing and packing plants

Occupational Options

Progression to supervisory positions is possible with experience.

Similar Occupations Classified Elsewhere

*Butchers and Meat Cutters – Retail and Wholesale (6251)*

Meat graders (in 9465 *Testers and Graders, Food and Beverage Processing*)

Meat inspectors (in 2222 *Agricultural and Fish Products Inspectors*)

Supervisors, meat packing (in 9213 *Supervisors, Food, Beverage and Tobacco Processing*)

Remarks

- \*Environmental Conditions
- For some occupations in this group, Discomforts D5 (Wetness) may also apply.

# 9463.1 Fish Plant Machine Operators

Fish plant machine operators set up and operate machinery to process and package fish products.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
4	4	5	4	3	5	4	4	3

### INTERESTS

OMi

### DATA PEOPLE THINGS (DPT)

684

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	0	1	2	1	2

### ENVIRONMENTAL CONDITIONS (EC)

L1, H3, D1, D3

### EDUCATION/TRAINING

2

## Examples of Job Titles

fish cake maker  
fish canning machine operator  
fish cutting machine operator  
fish plant worker  
shellfish processor  
shellfish separator tender

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to set up and operate machinery to process and package fish products
- **Form perception** to check products and packaging for defects
- **Manual dexterity** to repair and maintain equipment
- **Objective interest in operating** machines that process and package fish products
- **Methodical interest in comparing** information to make sure products and packaging conform to company standards; and in recording production information such as quantities, weights, dates and types of products
- **Innovative interest** in adjusting machinery to operate properly

## Physical Activities

**Vision**  
2 Near vision

**Colour Discrimination**  
0 Not relevant

**Hearing**  
1 Limited

**Body Position**  
2 Standing and/or walking

**Limb Co-ordination**  
1 Upper limb co-ordination

**Strength**  
2 Light

## Environmental Conditions

**Location**  
L1 Regulated inside climate

**Hazards**  
H3 Equipment, machinery, tools

**Discomforts**  
D1 Noise  
D3 Odours

## Employment Requirements

**Education/Training**  
2

- Some secondary school education may be required.
- On-the-job training is required.

## Workplaces/Employers

Fish processing plants

## Occupational Options

Progression to supervisory positions is possible with experience.

## Similar Occupations Classified Elsewhere

*Labourers in Fish Processing (9618)*

*Supervisors, Food, Beverage and Tobacco Processing (9213)*

# 9463.2 Fish Plant Cutters and Cleaners

Fish plant cutters and cleaners cut, trim and clean fish by hand.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
4	4	5	4	4	5	4	4	3

### INTERESTS

Moi

### DATA PEOPLE THINGS (DPT)

687

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	0	1	2	1	3

### ENVIRONMENTAL CONDITIONS (EC)

L1, H2, H3, D3, D5

### EDUCATION/TRAINING

2

## Examples of Job Titles

- fish cleaner and cutter
- fish plant worker
- shellfish shucker
- trimmer – fish processing

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to cut, clean and trim fish before marketing and further processing
- **Manual dexterity** to use knives to scrape away scales, cut fish, separate fillets and remove scrap parts
- **Methodical interest** in comparing information to cut fish sections according to specifications; and in placing fish in containers for weighing
- **Objective interest in handling** lobsters and other crustaceans using knives to disjoint and remove meat in preparation for canning and further processing
- **Innovative interest** in checking fish fillets to determine optimal number and size of fillet sections

---

### Physical Activities

---

Vision  
2 Near vision

Colour Discrimination  
0 Not relevant

Hearing  
1 Limited

Body Position  
2 Standing and/or walking

Limb Co-ordination  
1 Upper limb co-ordination

Strength  
3 Medium

---

### Environmental Conditions

---

Location  
L1 Regulated inside climate

Hazards  
H2 Biological agents  
H3 Equipment, machinery, tools

Discomforts  
D3 Odours  
D5 Wetness

---

### Employment Requirements

---

Education/Training  
2

- Some secondary school education may be required.
- On-the-job training is required.

---

### Workplaces/Employers

---

Fish processing plants

---

### Occupational Options

---

Progression to supervisory positions is possible with experience.

---

### Similar Occupations Classified Elsewhere

---

*Labourers in Fish Processing* (9618)

*Supervisors, Food, Beverage and Tobacco Processing* (9213)

# 9464 Tobacco Processing Machine Operators

Tobacco processing machine operators prepare and treat raw tobacco leaves, and produce and package tobacco products such as cigarettes and cigars.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
4	4	4	4	4	5	4	4	3

### INTERESTS

MOi

### DATA PEOPLE THINGS (DPT)

684

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	0	1	2	1	2

### ENVIRONMENTAL CONDITIONS (EC)

L1, H3, D1, D3, D4

### EDUCATION/TRAINING

2

## Examples of Job Titles

- cigar maker
- cigarette machine tender
- cleaning and classifying operator – tobacco processing
- conveyor tender – tobacco processing
- dryer tender – tobacco processing
- module tender – tobacco processing
- tobacco blender
- tobacco packaging machine tender

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to operate machines that blend, flavour, condition, dry, flatten, strip and cut raw tobacco leaves
- **Manual dexterity** to clear blockages on machines
- **Methodical interest** in **comparing** to clean machines and immediate work areas; and in monitoring product quality
- **Objective interest** in **operating** equipment to process tobacco; in tending processing machines; and in adjusting machines as required
- **Innovative interest** in setting and adjusting temperature, speed, tension and pressure of processing equipment

## Physical Activities

Vision  
2 Near vision

Colour Discrimination  
0 Not relevant

Hearing  
1 Limited

Body Position  
2 Standing and/or walking

Limb Co-ordination  
1 Upper limb co-ordination

Strength  
2 Light

## Environmental Conditions

Location  
L1 Regulated inside climate

Hazards  
H3 Equipment, machinery, tools

Discomforts  
D1 Noise  
D3 Odours  
D4 Non-toxic dusts

## Employment Requirements

Education/Training  
2

- Completion of secondary school may be required.
- Experience as a labourer in the tobacco processing industry may be required.

## Workplaces/Employers

Leaf tobacco processing plants

Tobacco products plants

## Occupational Options

Progression to supervisory positions in the tobacco processing industry is possible with experience.

## Similar Occupations Classified Elsewhere

*Supervisors, Food, Beverage and Tobacco Processing (9213)*

Tobacco testers and graders (in 9465 *Testers and Graders, Food and Beverage Processing*)



# 9465 Testers and Graders, Food and Beverage Processing

Testers and graders in this group test and grade ingredients and finished food, beverage and tobacco products to ensure that they conform to company standards.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	4	4	4	3	4	4	4	4

### INTERESTS

MIo

### DATA PEOPLE THINGS (DPT)

587

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	1	1	2	1	2

### ENVIRONMENTAL CONDITIONS (EC)

L1, D3

### EDUCATION/TRAINING

2

## Examples of Job Titles

beef grader  
beer tester  
cheese grader  
fish grader  
milk grader  
poultry grader  
product tester – food and beverage processing  
tobacco grader

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability and form perception** to examine ingredients and finished products by sight, touch, taste and smell to ensure that they conform to company standards
- **Methodical interest** in copying information to conduct routine tests for product specifications such as colour, alcohol content, carbonation, moisture content, temperature, fat content and packaging; and in ensuring hygiene and sanitation practices conform to policies and regulations
- **Innovative interest** in grading and sorting raw materials and finished products, and in advising supervisors of ingredient and product deficiencies
- **Objective interest** in **handling** to weigh materials and take samples of products at various stages of processing

---

**Physical Activities**


---

**Vision**  
2 Near vision

**Colour Discrimination**  
1 Relevant

**Hearing**  
1 Limited

**Body Position**  
2 Standing and/or walking

**Limb Co-ordination**  
1 Upper limb co-ordination

**Strength**  
2 Light

---

**Environmental Conditions**


---

**Location**  
L1 Regulated inside climate

**Discomforts**  
D3 Odours

---

**Employment Requirements**


---

**Education/Training**  
2

- Completion of secondary school may be required.
- Experience as a machine operator or labourer in the food and beverage processing industry may be required.
- On-the-job training is usually provided.

---

**Workplaces/Employers**


---

Bakeries  
Breweries  
Dairies  
Fish plants  
Flour mills  
Food, beverage and tobacco processing plants  
Fruit and vegetable processing plants  
Meat plants  
Sugar refineries

---

**Occupational Options**


---

There is little mobility among the various types of testers and graders in this group.

Progression to supervisory positions is possible with experience.

---

**Similar Occupations Classified Elsewhere**


---

*Agricultural and Fish Product Inspectors (2222)*

Quality control technologists and technicians (in 2211 *Chemical Technologists and Technicians*)

*Supervisors, Food, Beverage and Tobacco Processing (9213)*

# 9471    Printing Machine Operators

Printing machine operators operate laser printers, computerized high-speed colour copiers and other printing machines to print text, illustrations and designs on a wide variety of materials such as paper, plastic, glass, leather and metal.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	4	4	4	3	4	4	4	3

### INTERESTS

MOI

### DATA PEOPLE THINGS (DPT)

584

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	1	1	4	1	3

### ENVIRONMENTAL CONDITIONS (EC)

L1

### EDUCATION/TRAINING

2, 4

## Examples of Job Titles

colour copier operator

electronic sign maker operator

laser printer operator

printing and finishing machine operator

printing machine operator

quick print machine operator

screen print operator

silk-screening machine operator

wallpaper printer

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to review work orders to determine job specifications such as ink colours and quantities
- **Form perception** to monitor printing machines during print run
- **Manual dexterity** to clean machines and replace worn parts
- **Methodical interest** in copying information to input codes and to key programming data on console keyboards of computerized machines
- **Objective interest** in operating printing machines
- **Innovative interest** in setting up and making adjustments to printing machines, such as filling ink and paint reservoirs and loading stock

---

**Physical Activities**


---

Vision  
2 Near vision

Colour Discrimination  
1 Relevant

Hearing  
1 Limited

Body Position  
4 Other body positions

Limb Co-ordination  
1 Upper limb co-ordination

Strength  
3 Medium

---

**Environmental Conditions**


---

Location  
L1 Regulated inside climate

---

**Employment Requirements**


---

Education/Training  
2, 4

- Completion of secondary school may be required.
- Completion of college or other courses in printing may be required.
- On-the-job training is provided.

---

**Workplaces/Employers**


---

Commercial printing companies  
In-house printing facilities of large establishments  
Rapid printing services

---

**Similar Occupations Classified Elsewhere**


---

*Printing Press Operators (7381)*

*Supervisors, Printing and Related Occupations (7218)*

Textile printing machine operators (in 9443 *Textile Dyeing and Finishing Machine Operators*)

# 9472.1 Graphic Arts Camera Operators

Graphic arts camera operators convert photographs to film for printing.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	3	3	3	2	4	3	4	4

### INTERESTS

OMI

### DATA PEOPLE THINGS (DPT)

582

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	1	1	3	1	2

### ENVIRONMENTAL CONDITIONS (EC)

L1, H3

### EDUCATION/TRAINING

4, 5, 6, R

## Examples of Job Titles

camera operator – graphic arts

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning and verbal ability** to study work orders to determine photographic techniques required to transfer desired effects to film
- **Numerical ability** to compute lens and copyboard settings for same size, enlarged and reduced negatives
- **Spatial perception** to mount photographs and art work copies on vacuum copyboard
- **Form perception** to focus camera lenses and obtain optimum contrast ranges
- **Motor co-ordination** to adjust cameras
- **Objective interest in controlling** to set up and adjust black and white or colour separation cameras to convert graphic art and photographs into film for assembly and exposure onto printing plates and cylinders
- **Methodical interest in copying** information to produce films according to specifications, and to compare developed films with copies
- **Innovative interest** in determining equipment adjustments to transfer desired effects to film

## Physical Activities

**Vision**  
2 Near vision

**Colour Discrimination**  
1 Relevant

**Hearing**  
1 Limited

**Body Position**  
3 Sitting, standing, walking

**Limb Co-ordination**  
1 Upper limb co-ordination

**Strength**  
2 Light

## Environmental Conditions

**Location**  
L1 Regulated inside climate

**Hazards**  
H3 Equipment, machinery, tools

## Employment Requirements

**Education/Training**  
4, 5, 6, R

- Completion of secondary school is required.
- Completion of a college program in graphic arts technology  
or  
a four- to five-year apprenticeship program in printing and graphic arts  
or  
a combination of on-the-job training and specialized college, industry or other courses is required.
- Trade certification for some occupations in the 9472 group is available, but not compulsory, in Ontario, Alberta, Nunavut and the Northwest Territories.

## Workplaces/Employers

Colour graphics, platemaking and cylinder preparation companies

Commercial printing companies

In-house printing departments of private and public sector establishments

Publishing and printing companies

## Similar Occupations Classified Elsewhere

*Graphic Arts Technicians* (5223)

*Graphic Designers and Illustrators* (5241)

*Supervisors, Printing and Related Occupations* (7218)

Typesetters and desktop publishing operators (in 1423 *Desktop Publishing Operators and Related Occupations*)

## 9472.2 Cylinder Preparers

Cylinder preparers prepare, engrave and etch cylinders for printing presses.

---

### Profile Summary

---

#### APTITUDES

G	V	N	S	P	Q	K	F	M
3	3	3	3	2	4	3	3	3

---

#### INTERESTS

OMI

---

#### DATA PEOPLE THINGS (DPT)

581

---

#### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	1	1	3	1	2

---

#### ENVIRONMENTAL CONDITIONS (EC)

L1, H1, H3, H6, D4

---

#### EDUCATION/TRAINING

4, 5, 6, R

---

---

### Examples of Job Titles

cylinder preparer – printing

printing plate engraver

---

### Descriptor Profile

#### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning** and **verbal ability** to read work sheets to determine sizes and diameters of cylinders required
- **Numerical ability** to measure diameters of cylinders using micrometers to calculate depths of cuts required
- **Spatial perception** to visualize positions of engraved and etched patterns on plates and cylinders
- **Form perception** to examine surfaces of cylinders for flaws using magnifying scopes to ensure surfaces can be etched
- **Motor co-ordination** and **finger and manual dexterity** to use hand tools and to paint cylinders with acid-resistant coatings to control etchings in acid baths
- **Objective interest** in **precision working** to etch and engrave cylinders using hand tools, etching machines, photogravure and laser processes to produce cylinders for gravure presses
- **Methodical interest** in **copying** information to grind and polish press cylinders to desired sizes
- **Innovative interest** in exposing and laying down carbon tissue, and in examining and correcting flaws and faults



## Physical Activities

### Vision

- 2 Near vision

### Colour Discrimination

- 1 Relevant

### Hearing

- 1 Limited

### Body Position

- 3 Sitting, standing, walking

### Limb Co-ordination

- 1 Upper limb co-ordination

### Strength

- 2 Light

## Environmental Conditions

### Location

- L1 Regulated inside climate

### Hazards

- H1 Dangerous chemical substances
- H3 Equipment, machinery, tools
- H6 Flying particles, falling objects

### Discomforts

- D4 Non-toxic dusts

## Employment Requirements

### Education/Training

- 4, 5, 6, R

- Completion of secondary school is required.
- Completion of a college program in graphic arts technology  
*or*  
a four- to five-year apprenticeship program in printing and graphic arts  
*or*  
a combination of on-the-job training and specialized college, industry or other courses is required.
- Trade certification for some occupations in the 9472 group is available, but not compulsory, in Ontario, Alberta, Nunavut and the Northwest Territories.

## Workplaces/Employers

Colour graphics, platemaking and cylinder preparation companies

Commercial printing companies

In-house printing departments of private and public sector establishments

Publishing and printing companies

## Similar Occupations Classified Elsewhere

*Graphic Arts Technicians (5223)*

*Graphic Designers and Illustrators (5241)*

*Supervisors, Printing and Related Occupations (7218)*

Typesetters and desktop publishing operators (in 1423 *Desktop Publishing Operators and Related Occupations*)

# 9472.3 Film Strippers/Assemblers

Film strippers and assemblers put film and negatives together to prepare printing plates and cylinders.

Profile Summary										Examples of Job Titles	
APTITUDES										film assembler film stripper film stripper-assembler	
G	V	N	S	P	Q	K	F	M			
3	3	3	3	2	4	3	4	4			
INTERESTS											
OMI											
DATA PEOPLE THINGS (DPT)											
581											
PHYSICAL ACTIVITIES (PA)											
V	C	H	B	L	S						
2	1	1	3	1	1						
ENVIRONMENTAL CONDITIONS (EC)											
L1, H3											
EDUCATION/TRAINING											
4, 5, 6, R											

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning** and **verbal ability** to read work sheets to determine treatment of negatives
- **Numerical ability** to calculate and plot registration points and reference lines to ensure accurate registrations

- **Spatial perception** to visualize layouts and position negative components into place
- **Form perception** to examine negatives and composite negatives for flaws
- **Motor co-ordination** to retouch imperfections as required
- **Objective interest** in **precision working** to assemble and position pieces of film by hand and using automated equipment
- **Methodical interest** in **copying** to produce flats and composite negatives for printing plates and cylinders according to work orders
- **Innovative interest** in determining desired layouts

## Physical Activities

### Vision

- 2 Near vision

### Colour Discrimination

- 1 Relevant

### Hearing

- 1 Limited

### Body Position

- 3 Sitting, standing, walking

### Limb Co-ordination

- 1 Upper limb co-ordination

### Strength

- 1 Limited

## Environmental Conditions

### Location

- L1 Regulated inside climate

### Hazards

- H3 Equipment, machinery, tools

## Employment Requirements

### Education/Training

- 4, 5, 6, R

- Completion of secondary school is required.
- Completion of a college program in graphic arts technology  
*or*  
a four- to five-year apprenticeship program in printing and graphic arts  
*or*  
a combination of on-the-job training and specialized college, industry or other courses is required.
- Trade certification for some occupations in the 9472 group is available, but not compulsory, in Ontario, Alberta, Nunavut and the Northwest Territories.

## Workplaces/Employers

Colour graphics, platemaking and cylinder preparation companies

Commercial printing companies

In-house printing departments of private and public sector establishments

Publishing and printing companies

## Similar Occupations Classified Elsewhere

*Graphic Arts Technicians* (5223)

*Graphic Designers and Illustrators* (5241)

*Supervisors, Printing and Related Occupations* (7218)

Typesetters and desktop publishing operators (in 1423 *Desktop Publishing Operators and Related Occupations*)

# 9472.4 Platemakers

Platemakers prepare printing plates for printing presses.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	3	3	3	2	4	3	4	4

### INTERESTS

OMI

### DATA PEOPLE THINGS (DPT)

581

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	0	1	3	1	2

### ENVIRONMENTAL CONDITIONS (EC)

L1, H1, H3

### EDUCATION/TRAINING

4, 5, 6, R

## Examples of Job Titles

platemaker

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning, verbal and numerical ability** to read work orders and calculate machine settings
- **Spatial perception** to align negatives over sensitized plates and position them in vacuum frames of exposing tables
- **Form perception** to inspect negatives and processed material for imperfections
- **Motor co-ordination** to adjust equipment controls
- **Objective interest in precision working** to operate vacuum frames, plate processors and step-and-repeat machines to produce printing plates
- **Methodical interest in copying** information to mix chemicals in order to prepare platemaking solutions according to specifications
- **Innovative interest** in making adjustments to vacuum frames, plate processors and step-and-repeat machines

## Physical Activities

Vision  
2 Near vision

Colour Discrimination  
0 Not relevant

Hearing  
1 Limited

Body Position  
3 Sitting, standing, walking

Limb Co-ordination  
1 Upper limb co-ordination

Strength  
2 Light

## Environmental Conditions

Location  
L1 Regulated inside climate

Hazards  
H1 Dangerous chemical substances  
H3 Equipment, machinery, tools

## Employment Requirements

Education/Training  
4, 5, 6, R

- Completion of secondary school is required.
- Completion of a college program in graphic arts technology  
or  
a four- to five-year apprenticeship program in printing and graphic arts  
or  
a combination of on-the-job training and specialized college, industry or other courses is required.
- Trade certification for some occupations in the 9472 group is available, but not compulsory, in Ontario, Alberta, Nunavut and the Northwest Territories.

## Workplaces/Employers

Colour graphics, platemaking and cylinder preparation companies

Commercial printing companies

In-house printing departments of private and public sector establishments

Publishing and printing companies

## Similar Occupations Classified Elsewhere

*Graphic Arts Technicians* (5223)

*Graphic Designers and Illustrators* (5241)

*Supervisors, Printing and Related Occupations* (7218)

Typesetters and desktop publishing operators (in 1423 *Desktop Publishing Operators and Related Occupations*)

# 9472.5 Pre-Press Technicians

Pre-press technicians operate computerized studio systems that allow changes to be made to negatives and page layouts in preparation for printing.

Profile Summary										Examples of Job Titles	
APTITUDES										dot etcher	
G	V	N	S	P	Q	K	F	M		pre-press technician	
3	4	3	3	2	4	3	4	4		studio-image-processing system operator	
INTERESTS											
OMI											
DATA PEOPLE THINGS (DPT)											
382											
PHYSICAL ACTIVITIES (PA)											
V	C	H	B	L	S						
2	1	1	1	1	1						
ENVIRONMENTAL CONDITIONS (EC)											
L1											
EDUCATION/TRAINING											
4, 5, 6, R											

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning and numerical ability** to operate various computer-controlled systems to perform colour separations, retouching and editing that allow changes to be made to negatives for printing purposes
- **Spatial perception** to visualize page layouts
- **Form perception** to identify areas of colour negatives requiring changes
- **Motor co-ordination** to adjust equipment controls
- **Objective interest in controlling** systems to alter shapes, sizes and positions of illustrations and text electronically
- **Methodical interest in compiling** information to perform colour separations, retouching and editing
- **Innovative interest** in planning page layouts

## Physical Activities

Vision  
2 Near vision

Colour Discrimination  
1 Relevant

Hearing  
1 Limited

Body Position  
1 Sitting

Limb Co-ordination  
1 Upper limb co-ordination

Strength  
1 Limited

## Environmental Conditions

Location  
L1 Regulated inside climate

## Employment Requirements

Education/Training  
4, 5, 6, R

- Completion of secondary school is required.
- Completion of a college program in graphic arts technology  
or  
a four- to five-year apprenticeship program in printing and graphic arts  
or  
a combination of on-the-job training and specialized college, industry or other courses is required.
- Trade certification for some occupations in the 9472 group is available, but not compulsory, in Ontario, Alberta, Nunavut and the Northwest Territories.

## Workplaces/Employers

Colour graphics, platemaking and cylinder preparation companies

Commercial printing companies

In-house printing departments of private and public sector establishments

Publishing and printing companies

## Similar Occupations Classified Elsewhere

*Graphic Arts Technicians (5223)*

*Graphic Designers and Illustrators (5241)*

*Supervisors, Printing and Related Occupations (7218)*

Typesetters and desktop publishing operators (in 1423 *Desktop Publishing Operators and Related Occupations*)



# 9472.6 Scanner Operators

Scanner operators run computerized scanning equipment to prepare printing plates and cylinders for printing presses.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	4	3	3	2	4	3	4	4

### INTERESTS

OMI

### DATA PEOPLE THINGS (DPT)

582

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	1	1	1	1	1

### ENVIRONMENTAL CONDITIONS (EC)

L1

### EDUCATION/TRAINING

4, 5, 6, R

## Examples of Job Titles

scanner operator

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to operate computerized scanning machines and digital cameras to make colour separations and corrections from colour copies and transparencies for use in preparing film, digital files, printing plates and cylinders
- **Numerical ability** to read co-ordinates of scanning devices in order to identify locations of marked areas and to set machines on co-ordinates
- **Spatial and form perception** to position scanners over areas requiring colour separation and correction, and to determine density of local areas of separations
- **Motor co-ordination** to adjust equipment controls
- **Objective interest** in controlling computerized scanning machines to make required colour separations and corrections
- **Methodical interest** in copying information to follow preparation procedures
- **Innovative interest** in identifying areas requiring correction and in determining preparation procedures

## Physical Activities

**Vision**  
2 Near vision

**Colour Discrimination**  
1 Relevant

**Hearing**  
1 Limited

**Body Position**  
1 Sitting

**Limb Co-ordination**  
1 Upper limb co-ordination

**Strength**  
1 Limited

## Environmental Conditions

**Location**  
L1 Regulated inside climate

## Employment Requirements

**Education/Training**  
4, 5, 6, R

- Completion of secondary school is required.
- Completion of a college program in graphic arts technology  
or  
a four- to five-year apprenticeship program in printing and graphic arts  
or  
a combination of on-the-job training and specialized college, industry or other courses is required.
- Trade certification for some occupations in the 9472 group is available, but not compulsory, in Ontario, Alberta, Nunavut and the Northwest Territories.

## Workplaces/Employers

Colour graphics, platemaking and cylinder preparation companies

Commercial printing companies

In-house printing departments of private and public sector establishments

Publishing and printing companies

## Similar Occupations Classified Elsewhere

*Graphic Arts Technicians (5223)*

*Graphic Designers and Illustrators (5241)*

*Supervisors, Printing and Related Occupations (7218)*

Typesetters and desktop publishing operators (in 1423 *Desktop Publishing Operators and Related Occupations*)

# 9472.7 Proofmakers

Proofmakers operate computerized equipment to prepare film, laser and dylux proofs for quality control purposes.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	3	4	4	3	4	3	3	3

### INTERESTS

OMI

### DATA PEOPLE THINGS (DPT)

581

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	1	1	3	1	1

### ENVIRONMENTAL CONDITIONS (EC)

L1

### EDUCATION/TRAINING

4, 5, 6, R

## Examples of Job Titles

proofmaker

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning** and **verbal ability** to operate computerized equipment and to study work orders to prepare film, laser and dylux proofs
- **Form perception** to prepare film, laser and dylux proofs for customers' review
- **Motor co-ordination** and **finger and manual dexterity** to operate computerized equipment and mount and secure materials on to vacuum frames; and in handling proofs
- **Methodical interest** in **copying** information to produce film, laser and dylux proofs according to layout specifications
- **Objective interest** in **precision working** to determine, set up and adjust computerized equipment timing and setting requirements
- **Innovative interest** in determining equipment adjustments to prepare film, laser and dylux proofs for pre-press quality control purposes

## Physical Activities

### Vision

- 2 Near vision

### Colour Discrimination

- 1 Relevant

### Hearing

- 1 Limited

### Body Position

- 3 Sitting, standing, walking

### Limb Co-ordination

- 1 Upper limb co-ordination

### Strength

- 1 Limited

## Environmental Conditions

### Location

- L1 Regulated inside climate

## Employment Requirements

### Education/Training

- 4, 5, 6, R

- Completion of secondary school is required.
- Completion of a college program in graphic arts technology  
*or*  
a four- to five-year apprenticeship program in printing and graphic arts  
*or*  
or a combination of on-the-job training and specialized college, industry or other courses is required.
- Trade certification for some occupations in the 9472 group is available, but not compulsory, in Ontario, Alberta, Nunavut and the Northwest Territories.

## Workplaces/Employers

Colour graphics, platemaking and cylinder preparation companies

Commercial printing companies

In-house printing departments of private and public sector establishments

Publishing and printing companies

## Similar Occupations Classified Elsewhere

*Graphic Arts Technicians* (5223)

*Graphic Designers and Illustrators* (5241)

*Supervisors, Printing and Related Occupations* (7218)

Typesetters and desktop publishing operators (in 1423 *Desktop Publishing Operators and Related Occupations*)

# 9473.1 Binding and Finishing Machine Operators

Binding and finishing machine operators set up, run and oversee the operation of specific machines, equipment and computerized units that bind and finish printed material.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	3	4	3	3	4	3	4	3

### INTERESTS

OMI

### DATA PEOPLE THINGS (DPT)

582

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	0	1	2	1	2

### ENVIRONMENTAL CONDITIONS (EC)

L1, H3, D1

### EDUCATION/TRAINING

4, 5, 6

## Examples of Job Titles

binder – printing  
binder and finisher  
bindery assistant  
bindery operator  
bookbinder, machine  
bookbinding machine operator  
cerlox binder operator  
cutter operator – printing  
finishing machine operator – printing  
gathering machine set-up operator – printing  
perforator operator – printing  
stitcher operator

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to set up and operate various specialized equipment and machines that cut, fold, gather, stitch, trim and finish brochures, magazines, books, business forms and other printed material
- **Verbal ability** to read production specifications
- **Spatial perception** to understand the function of machines and visualize the relationship of moving parts to detect malfunctions
- **Form perception** to detect imperfect bindings, incomplete cuts, incorrect stitch lengths, and torn, loose and uneven pages
- **Motor co-ordination** to use measuring devices and adjust controls to regulate size of cuts and machine speeds
- **Manual dexterity** to use hand tools to set up and maintain equipment
- **Objective interest in controlling** computerized units to start, stop and regulate machines and equipment
- **Methodical interest in copying** to perform work according to production specifications
- **Innovative interest** in making adjustments to machines and equipment

---

## Physical Activities

---

**Vision**  
2 Near vision

**Colour Discrimination**  
0 Not relevant

**Hearing**  
1 Limited

**Body Position**  
2 Standing and/or walking

**Limb Co-ordination**  
1 Upper limb co-ordination

**Strength**  
2 Light

---

## Environmental Conditions

---

**Location**  
L1 Regulated inside climate

**Hazards**  
H3 Equipment, machinery, tools

**Discomforts**  
D1 Noise

---

## Employment Requirements

---

Education/Training  
4, 5, 6

- Completion of secondary school is required.
- Completion of a college program in graphic arts technology  
*or*  
a four-year apprenticeship program in printing  
*or*  
a combination of on-the-job training and specialized college, industry or other courses may be required.

---

## Workplaces/Employers

---

Binderies  
Commercial printing companies  
In-house printing, binding and finishing departments of private and public sector establishments  
Magazines  
Newspapers  
Publishing and printing companies

---

## Occupational Options

---

There is mobility among various types of binding machine operators in this group.

Progression to supervisory positions is possible with experience.

---

## Similar Occupations Classified Elsewhere

---

Feeders, loaders, offbearers and similar occupations (in 9619 *Other Labourers in Processing, Manufacturing and Utilities*)

Hand bookbinders (in 5244 *Artisans and Craftspersons*)

*Printing Press Operators* (7381)

*Supervisors, Printing and Related Occupations* (7218)

## 9473.2 Specialty Finishing Equipment Operators

Specialty finishing equipment operators set up, run and oversee the operation of specific machines, equipment and computerized units that finish printed material. This group includes workers who perform finishing operations in the paper, carton and packaging industries, and those who encode and stamp plastic cards.

### Profile Summary

#### APTITUDES

G	V	N	S	P	Q	K	F	M
3	3	4	3	3	4	3	4	3

#### INTERESTS

OMI

#### DATA PEOPLE THINGS (DPT)

582

#### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	1	1	2	1	2

#### ENVIRONMENTAL CONDITIONS (EC)

L1, H3, D1

#### EDUCATION/TRAINING

4, 5, 6

### Examples of Job Titles

finishing machine operator – printing  
foil stamper  
gold leaf stamper  
laminating machine operator

### Descriptor Profile

#### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to set up and operate various specialized equipment and machines that die cut, emboss, imprint, encode, laminate and heat stamp, and perform other finishing operations on printed material
- **Verbal ability** to review work order specifications
- **Spatial perception** to understand the functioning of machines and visualize the relationship of moving parts in order to detect malfunctions
- **Form perception** to check samples for quality
- **Motor co-ordination** to use measuring devices and adjust controls to regulate machines
- **Manual dexterity** to use hand tools to set up and maintain equipment
- **Objective interest** in **controlling** computerized units to start, stop and regulate machines and equipment throughout various finishing operations
- **Methodical interest** in **copying** to perform work according to production specifications
- **Innovative interest** in applying decorations and lettering to bound books, and in making adjustments to machines and equipment



## Physical Activities

Vision  
2 Near vision

Colour Discrimination  
1 Relevant

Hearing  
1 Limited

Body Position  
2 Standing and/or walking

Limb Co-ordination  
1 Upper limb co-ordination

Strength  
2 Light

## Environmental Conditions

Location  
L1 Regulated inside climate

Hazards  
H3 Equipment, machinery, tools

Discomforts  
D1 Noise

## Employment Requirements

Education/Training  
4, 5, 6

- Completion of secondary school is required.
- Completion of a college program in graphic arts technology  
*or*  
a four-year apprenticeship program in printing  
*or*  
a combination of on-the-job training and specialized college, industry or other courses may be required.

## Workplaces/Employers

Binderies

Commercial printing companies

In-house printing, binding and finishing departments of private and public sector establishments

Publishing and printing companies

## Occupational Options

Progression to supervisory positions is possible with experience.

## Similar Occupations Classified Elsewhere

Feeders, loaders, offbearers and similar occupations (in 9619 *Other Labourers in Processing, Manufacturing and Utilities*)

Hand bookbinders (in 5244 *Artisans and Craftspersons*)

*Printing Press Operators* (7381)

*Supervisors, Printing and Related Occupations* (7218)

# 9474 Photographic and Film Processors

Photographic and film processors process and finish still photographic film and motion picture film.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	4	4	3	3	4	3	3	3

### INTERESTS

OMI

### DATA PEOPLE THINGS (DPT)

584

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	1	1	2	1	1

### ENVIRONMENTAL CONDITIONS (EC)

L1, H1

### EDUCATION/TRAINING

3, 4+, 5, 6

## Examples of Job Titles

darkroom technician  
film developer  
film printing machine operator  
film processor  
photofinisher  
photograph developer  
photograph inspector  
photographic processor

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to process and finish still photographic film and motion picture film
- **Spatial and form perception** to inspect rolls of photographic prints to make sure they conform to specifications, and to inspect motion picture film for defects in developing and printing
- **Motor co-ordination and finger and manual dexterity** to splice film and mount film on reels
- **Objective interest in operating** equipment to develop negatives and slides, print photographs, develop motion picture film and transfer film to video tape; and in operating photographic enlarging equipment to produce prints and enlargements from negatives
- **Methodical interest in copying** information to measure and mix chemicals required for processing; and in tending automatic equipment in retail establishments to develop colour negatives, prints and slides
- **Innovative interest** in retouching photographic negatives and original prints to correct defects

---

**Physical Activities**


---

**Vision**

- 2 Near vision

**Colour Discrimination**

- 1 Relevant

**Hearing**

- 1 Limited

**Body Position**

- 2 Standing and/or walking

**Limb Co-ordination**

- 1 Upper limb co-ordination

**Strength**

- 1 Limited

---

**Environmental Conditions**


---

**Location**

- L1 Regulated inside climate

**Hazards**

- H1 Dangerous chemical substances

---

**Employment Requirements**


---

**Education/Training**

3, 4+, 5, 6

- Completion of secondary school is usually required.
- For employment in film processing laboratories, completion of a college or other specialized program *or* extensive related experience is required.
- For employment as a film printing machine operator in retail outlets, on-the-job training is provided.

---

**Workplaces/Employers**


---

Film processing laboratories

Retail photofinishing establishments

---

**Occupational Options**


---

There is mobility among occupations within laboratory processing operations.

Progression is possible from automatic machine tenders in retail establishments to laboratory processing occupations.

---

**Similar Occupations Classified Elsewhere**


---

Film strippers and assemblers and negative retouchers in the printing or graphic arts industry (in 9472 *Camera, Platemaking and Other Pre-Press Occupations*)

Supervisors of photographic and film processors (in 7218 *Supervisors, Printing and Related Occupations*)

# 9481.1 Aircraft Assemblers

Aircraft assemblers assemble, fit and install prefabricated parts to manufacture fixed wing or rotary wing aircraft and aircraft subassemblies.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	3	3	3	3	4	3	3	3

### INTERESTS

OMI

### DATA PEOPLE THINGS (DPT)

381

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
3	0	1	4	1	4

### ENVIRONMENTAL CONDITIONS (EC)

L1, H3, D1

### EDUCATION/TRAINING

4, 5, 6

## Examples of Job Titles

aircraft assembler  
airframe assembler  
bench and structural assembler  
bench fitter mechanic – aircraft assembly  
rigger – aircraft assembly  
wing tank mechanic – aircraft assembly

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to assemble, fit and install prefabricated parts to manufacture fixed wing and rotary wing aircraft and aircraft subassemblies
- **Verbal ability** and **spatial** and **form perception** to read and interpret aircraft assembly diagrams
- **Numerical ability** to compute dimensions and locate reference points from specifications when laying out work
- **Motor co-ordination** and **finger** and **manual dexterity** to use hand and power tools when drilling and riveting aircraft units and assemblies, and to assemble aircraft components
- **Objective interest** in **precision working** to assemble and fit prefabricated parts to form subassemblies while working at benches or directly on aircraft structures, and to assemble, fit and install prefabricated parts and subassemblies such as aircraft skins, flight controls, rigging, hydraulics and other mechanical systems
- **Methodical interest** in **compiling** information from assembly diagrams and specifications
- **Innovative interest** in making adjustments to assemblies and components

## Physical Activities

**Vision**  
3 Near and far vision

**Colour Discrimination**  
0 Not relevant

**Hearing**  
1 Limited

**Body Position**  
4 Other body positions

**Limb Co-ordination**  
1 Upper limb co-ordination

**Strength**  
4 Heavy

## Environmental Conditions

**Location**  
L1 Regulated inside climate

**Hazards**  
H3 Equipment, machinery, tools

**Discomforts**  
D1 Noise

## Employment Requirements

**Education/Training**  
4, 5, 6

- Completion of secondary school is required.
- Completion of a college or other program in aviation or aeronautical technology, with emphasis in aircraft manufacturing, may be required.
- Aircraft assemblers receive several months of on-the-job and classroom training.

## Workplaces/Employers

Aircraft and aircraft subassembly manufacturers

## Occupational Options

Aircraft assemblers may progress to supervisory positions with experience.

## Similar Occupations Classified Elsewhere

Aircraft engine assemblers (in 7316 *Machine Fitters*)

*Aircraft Mechanics and Aircraft Inspectors* (7315)

Aircraft painters (in 9496 *Painters and Coaters – Industrial*)

Avionics and aircraft electronic equipment installers (in 2244 *Aircraft Instrument, Electrical and Avionics Mechanics, Technicians and Inspectors*)

Supervisors of aircraft assemblers (in 9226 *Supervisors, Other Mechanical and Metal Products Manufacturing*)

# 9481.2 Aircraft Assembly Inspectors

Aircraft assembly inspectors examine aircraft assemblies for adherence to engineering specifications.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	3	3	3	3	3	3	3	3

### INTERESTS

OMI

### DATA PEOPLE THINGS (DPT)

381

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
3	1	1	3	1	2

### ENVIRONMENTAL CONDITIONS (EC)

L1

### EDUCATION/TRAINING

4, 5, 6

## Examples of Job Titles

aircraft inspector, assembly

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to inspect aircraft assemblies to make sure they adhere to engineering specifications
- **Verbal ability** to complete detailed inspection reports
- **Numerical ability and clerical perception** to take accurate measurements
- **Spatial perception** to visualize complete assemblies as represented in assembly diagrams
- **Form perception** to observe assembly defects
- **Motor co-ordination and finger and manual dexterity** to use measuring and testing equipment
- **Objective interest in precision working** to set and adjust controls on measuring and testing equipment
- **Methodical interest in compiling** data from drawings and specifications; and in checking assembled units with standards specified on drawings and production orders
- **Innovative interest** in inspecting assemblies for alignment, symmetry, dimensions, fit and quality of workmanship

## Physical Activities

Vision  
3 Near and far vision

Colour Discrimination  
1 Relevant

Hearing  
1 Limited

Body Position  
3 Sitting, standing, walking

Limb Co-ordination  
1 Upper limb co-ordination

Strength  
2 Light

## Environmental Conditions

Location  
L1 Regulated inside climate

## Employment Requirements

Education/Training  
4, 5, 6

- Completion of secondary school is required.
- Completion of a college or other program in aviation or aeronautical technology, with emphasis in aircraft manufacturing, may be required.
- Aircraft assembly inspectors require experience as aircraft assemblers.

## Workplaces/Employers

Aircraft and aircraft subassembly manufacturers

## Occupational Options

Aircraft assembly inspectors may progress to supervisory positions with experience.

## Similar Occupations Classified Elsewhere

Aircraft engine assemblers (in 7316 *Machine Fitters*)

*Aircraft Mechanics and Aircraft Inspectors* (7315)

Aircraft painters (in 9496 *Painters and Coaters – Industrial*)

Avionics and aircraft electronic equipment installers (in 2244 *Aircraft Instrument, Electrical and Avionics Mechanics, Technicians and Inspectors*)

Supervisors of aircraft assembly inspectors (in 9226 *Supervisors, Other Mechanical and Metal Products Manufacturing*)



# 9482.1 Motor Vehicle Assemblers

Motor vehicle assemblers assemble and install prefabricated motor vehicle parts and components to form subassemblies and finished motor vehicles.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
4	4	5	4	4	5	4	4	3

### INTERESTS

OMi

### DATA PEOPLE THINGS (DPT)

584

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
3	1	1	4	1	4

### ENVIRONMENTAL CONDITIONS (EC)

L1, H3, D1

### EDUCATION/TRAINING

4

## Examples of Job Titles

- auto assembly worker
- body assembler
- car assembler
- door fitter
- motor vehicle assembler
- sport utility vehicle (SUV) assembler
- transmission installer
- van assembler

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to assemble and install prefabricated motor vehicle parts and components to form subassemblies and finished motor vehicles
- **Manual dexterity** to bolt, screw, clip, weld, solder and otherwise fasten motor vehicle parts and components together using hand and power tools and equipment
- **Objective interest in operating** automated assembly equipment, and in using hand and power tools and other aids such as overhead joists, to position and install parts and subassemblies such as engines, transmissions, door panels and instrument panels
- **Methodical interest in copying** information to connect cables, tubes and wires to complete assemblies and installations; and in tending automated assembling equipment such as robotic and fixed automation equipment
- **Innovative interest** in fitting and adjusting parts such as doors, hoods and trunk lids

## Physical Activities

**Vision**  
3 Near and far vision

**Colour Discrimination**  
1 Relevant

**Hearing**  
1 Limited

**Body Position**  
4 Other body positions

**Limb Co-ordination**  
1 Upper limb co-ordination

**Strength**  
4 Heavy

## Environmental Conditions

**Location**  
1 Regulated inside climate

**Hazards**  
H3 Equipment, machinery, tools

**Discomforts**  
D1 Noise

## Employment Requirements

**Education/Training**  
4

- Completion of secondary school is usually required.
- Skills required for occupations are normally acquired through on-the-job training.

## Workplaces/Employers

Automobile, van and light truck manufacturers

## Occupational Options

Mobility is possible among jobs in the same production department.

Progression to supervisory positions is possible with experience.

## Similar Occupations Classified Elsewhere

Assemblers of heavy trucks, trailers and buses (in 9486 *Mechanical Assemblers and Inspectors*)

Automobile assembly painters and coaters (in 9496 *Painters and Coaters – Industrial*)

Automotive engine, clutch and transmission assemblers (in 9486 *Mechanical Assemblers and Inspectors*)

Mechanical repairers, automobile manufacturing (in 7321 *Automotive Service Technicians, Truck Mechanics and Mechanical Repairers*)

*Supervisors, Motor Vehicle Assembling* (9221)

# 9482.2 Motor Vehicle Inspectors and Testers

Motor vehicle inspectors and testers inspect and test parts, subassemblies and finished products to ensure that they operate properly and conform to quality standards.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	3	4	3	3	4	4	4	4

### INTERESTS

OMI

### DATA PEOPLE THINGS (DPT)

583

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
3	1	1	3	2	2

### ENVIRONMENTAL CONDITIONS (EC)

L1, D1

### EDUCATION/TRAINING

4

## Examples of Job Titles

assembly inspector

chassis inspector

test driver – automobile assembly

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to test motor vehicle electrical assemblies, equipment and wiring using testing devices such as meters, analyzers and timing lights
- **Verbal ability** to report motor vehicle defects
- **Spatial perception** to visualize the relationship and arrangement of vehicle parts and components
- **Form perception** to check motor vehicle exterior priming and colour coats, sealers and glazes for defects
- **Objective interest in driving** to test motor vehicles on roll testing devices to ensure that transmissions, axles, engines and brakes function properly
- **Methodical interest in copying** to record motor vehicle defects; and in marking defects to be repaired
- **Innovative interest** in inspecting fully assembled motor vehicles for defects and ensuring that previously noted defects have been corrected

## Physical Activities

**Vision**  
3 Near and far vision

**Colour Discrimination**  
1 Relevant

**Hearing**  
1 Limited

**Body Position**  
3 Sitting, standing, walking

**Limb Co-ordination**  
2 Multiple limb co-ordination

**Strength**  
2 Light

## Environmental Conditions

**Location**  
L1 Regulated inside climate

**Discomforts**  
D1 Noise

## Employment Requirements

**Education/Training**  
4

- Completion of secondary school is usually required.
- Skills required for occupations are normally acquired through on-the-job training.

## Workplaces/Employers

Automobile, van and light truck manufacturers

## Occupational Options

Mobility is possible among jobs in the same production department.

Progression to supervisory positions is possible with experience.

## Similar Occupations Classified Elsewhere

Assemblers of heavy trucks, trailers and buses (in 9486 *Mechanical Assemblers and Inspectors*)

Automobile assembly painters and coaters (in 9496 *Painters and Coaters – Industrial*)

Automotive engine, clutch and transmission assemblers (in 9486 *Mechanical Assemblers and Inspectors*)

Mechanical repairers, automobile manufacturing (in 7321 *Automotive Service Technicians, Truck Mechanics and Mechanical Repairers*)

*Supervisors, Motor Vehicle Assembling (9221)*

# 9483.1 Electronics Assemblers

Electronics assemblers put together electronic equipment, parts and components.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	4	4	3	3	4	1	1	1

### INTERESTS

OMi

### DATA PEOPLE THINGS (DPT)

581

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
1	1	1	1	1	1

### ENVIRONMENTAL CONDITIONS (EC)

L1, H3

### EDUCATION/TRAINING

3, 5, R

## Examples of Job Titles

- capacitor assembler
- circuit board assembler
- component inserting machine operator
- electronics assembler
- precision instrument assembler – electronic equipment manufacturing
- surface mount assembler
- through-hole assembler
- wave soldering machine operator
- wiring and assembly operator

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to assemble electronic equipment, parts and components
- **Spatial perception** to visualize assemblies and final products from drawings
- **Form perception** to detect irregularities on printed circuit boards and examine products for defects
- **Motor co-ordination** and **finger and manual dexterity** to use hand and small power tools to install, mount, fasten, align and adjust parts, components, wiring and harnesses to subassemblies and assemblies
- **Objective interest in precision working** to assemble microcircuits requiring fine hand assembly, and to use microscopes and adhere to clean-room procedures; and to operate automatic and semi-automatic machines to position, solder and clean components on printed circuit boards
- **Methodical interest in copying** information to solder and assemble manually, various electronic components such as resistors, diodes, transistors, capacitors, integrated circuits, switches, wires and other electronic parts onto printed circuit boards; may repair and overhaul older devices
- **Innovative interest** in verifying dimensions and alignment of parts; may replace defective components

## Physical Activities

### Vision

- 1 Close visual acuity

### Colour Discrimination

- 1 Relevant

### Hearing

- 1 Limited

### Body Position

- 1 Sitting

### Limb Co-ordination

- 1 Upper limb co-ordination

### Strength

- 1 Limited

## Environmental Conditions

### Location

- L1 Regulated inside climate

### Hazards

- H3 Equipment, machinery, tools

## Employment Requirements

### Education/Training

3, 5, R

- Completion of secondary school is usually required.
- On-the-job training is usually provided.
- A two-year apprenticeship and voluntary trade certification is available for electronics assemblers in Ontario and Saskatchewan.

## Workplaces/Employers

Electronics manufacturing plants

## Occupational Options

Progression from electronics assembler to electronics inspector or tester is possible with additional training and experience.

## Similar Occupations Classified Elsewhere

*Assemblers and Inspectors, Electrical Appliance, Apparatus and Equipment Manufacturing (9484)*

*Electrical and Electronics Engineering Technologists and Technicians (2241)*

*Electronic Service Technicians (Household and Business Equipment) (2242)*

*Supervisors, Electronics Manufacturing (9222)*

# 9483.2 Electronics Fabricators

Electronics fabricators make electronic equipment, parts and components.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	4	4	3	3	4	3	3	3

### INTERESTS

OMi

### DATA PEOPLE THINGS (DPT)

584

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	1	1	2	1	2

### ENVIRONMENTAL CONDITIONS (EC)

L1, H3

### EDUCATION/TRAINING

3

## Examples of Job Titles

wafer fabrication operator  
wave soldering machine operator

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to operate equipment and machines to fabricate electronic equipment, parts and components
- **Spatial perception** to set up process equipment
- **Form perception** to examine equipment, parts and components for defects
- **Motor co-ordination and finger and manual dexterity** to adjust controls to start, stop and regulate equipment
- **Objective interest in operating** process equipment including automatic and semi-automatic machines to fabricate, solder, clean, seal and stamp components; and in performing other process operations as specified
- **Methodical interest in copying** information to monitor process equipment and adhere to clean-room procedures
- **Innovative interest** in adjusting equipment used to fabricate products



## Physical Activities

Vision  
2 Near vision

Colour Discrimination  
1 Relevant

Hearing  
1 Limited

Body Position  
2 Standing and/or walking

Limb Co-ordination  
1 Upper limb co-ordination

Strength  
2 Light

## Environmental Conditions

Location  
L1 Regulated inside climate

Hazards  
H3 Equipment, machinery, tools

## Employment Requirements

Education/Training  
3

- Completion of secondary school is usually required.
- On-the-job training is usually provided.

## Workplaces/Employers

Electronics manufacturing plants

## Occupational Options

Progression from electronics fabricator to electronics inspector or tester is possible with additional training and experience.

## Similar Occupations Classified Elsewhere

*Assemblers and Inspectors, Electrical Appliance, Apparatus and Equipment Manufacturing (9484)*

*Electrical and Electronics Engineering Technologists and Technicians (2241)*

*Electronic Service Technicians (Household and Business Equipment) (2242)*

*Supervisors, Electronics Manufacturing (9222)*

# 9483.3 Electronics Inspectors

Electronics inspectors inspect electronic and electromechanical assemblies, subassemblies, parts and components to ensure that they conform to prescribed standards.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	3	3	4	3	4	3	3	3

### INTERESTS

MId

### DATA PEOPLE THINGS (DPT)

587

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
1	1	1	2	1	1

### ENVIRONMENTAL CONDITIONS (EC)

L1

### EDUCATION/TRAINING

3, 4

## Examples of Job Titles

electronics inspector  
inspector, printed circuit board (PCB) assembly

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to inspect electronic components and assemblies, while products are being assembled and fabricated, in order to ensure that they conform to specifications
- **Verbal ability** to summarize inspection results
- **Numerical ability** to check mechanical dimensions
- **Form perception** to check final assemblies for finish, labelling and packaging
- **Motor co-ordination and finger and manual dexterity** to perform "go-no-go" electrical tests
- **Methodical interest in copying** information to collect and record inspection results, and to mark acceptable and defective assemblies
- **Innovative interest** in identifying defective components and assemblies, and in investigating equipment malfunctions
- **Directive interest in handling** assemblies during inspection; in returning faulty assemblies to production for repair; and in instructing on proper equipment operation

## Physical Activities

Vision  
1 Close visual acuity

Colour Discrimination  
1 Relevant

Hearing  
1 Limited

Body Position  
2 Standing and/or walking

Limb Co-ordination  
1 Upper limb co-ordination

Strength  
1 Limited

## Environmental Conditions

Location  
L1 Regulated inside climate

## Employment Requirements

Education/Training  
3, 4

- Completion of secondary school is usually required.
- On-the-job training is usually provided.
- Electronics inspectors may require experience as an electronics assembler or component fabricator.

## Workplaces/Employers

Electronics manufacturing plants

## Similar Occupations Classified Elsewhere

*Assemblers and Inspectors, Electrical Appliance, Apparatus and Equipment Manufacturing (9484)*

*Electrical and Electronics Engineering Technologists and Technicians (2241)*

*Electronic Service Technicians (Household and Business Equipment) (2242)*

*Supervisors, Electronics Manufacturing (9222)*

# 9483.4 Electronics Testers

Electronics testers test electronic and electromechanical assemblies, subassemblies, parts and components to ensure that they conform to prescribed standards.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	3	3	4	4	4	3	3	3

### INTERESTS

OMI

### DATA PEOPLE THINGS (DPT)

684

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	1	1	2	1	2

### ENVIRONMENTAL CONDITIONS (EC)

L1, H4

### EDUCATION/TRAINING

3, 4

## Examples of Job Titles

crystal final tester  
tester, electronic components

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to operate various test equipment and tools to perform simple electrical and continuity testing of electronic components, parts and systems
- **Verbal and numerical ability** to maintain test reports
- **Objective interest in operating** automatic testing equipment to locate circuit and wiring faults, shorts and component defects; may conduct life tests (burn-ins) on components, subassemblies and assemblies
- **Methodical interest** in comparing information from test results to ensure that specifications are met; and in setting parts and products aside for repairs
- **Innovative interest** in setting up automatic testing equipment, and in replacing components and parts as tests indicate

---

**Physical Activities**

---

**Vision**

- 2 Near vision

---

**Colour Discrimination**

- 1 Relevant

---

**Hearing**

- 1 Limited

---

**Body Position**

- 2 Standing and/or walking

---

**Limb Co-ordination**

- 1 Upper limb co-ordination

---

**Strength**

- 2 Light
- 

---

**Environmental Conditions**

---

**Location**

- L1 Regulated inside climate

---

**Hazards**

- H4 Electricity

---

**Employment Requirements**

---

**Education/Training**

- 3, 4

- Completion of secondary school is usually required.
- On-the-job training is usually provided.
- Electronics testers may require post-secondary courses in basic electronic theory, testing techniques and testing equipment.
- Electronics testers may require experience as an electronics assembler or component fabricator.

---

**Workplaces/Employers**

---

Electronics manufacturing plants

---

**Similar Occupations Classified Elsewhere**

---

*Assemblers and Inspectors, Electrical Appliance, Apparatus and Equipment Manufacturing (9484)*

*Electrical and Electronics Engineering Technologists and Technicians (2241)*

*Electronic Service Technicians (Household and Business Equipment) (2242)*

*Supervisors, Electronics Manufacturing (9222)*

# 9484.1 Assemblers, Electrical Appliance, Apparatus and Equipment Manufacturing

Assemblers in this group put together prefabricated parts to produce household, commercial and industrial appliances and equipment. This group includes workers who set up and prepare assembly lines for operation.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	4	4	4	4	4	3	3	3

### INTERESTS

MOi

### DATA PEOPLE THINGS (DPT)

584

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	1	1	4	1	3

### ENVIRONMENTAL CONDITIONS (EC)

L1, H3, D1

### EDUCATION/TRAINING

2

## Examples of Job Titles

assembler, electrical appliances  
circuit breaker assembler  
clothes dryer assembler, electric  
coffee maker assembler  
dishwasher assembler  
hair dryer assembler  
lawn mower assembler, electric  
production assembler, electrical equipment  
refrigerator assembler, electric

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to assemble prefabricated parts on assembly lines and at work benches, using screw guns and other hand and power tools
- **Motor co-ordination and finger dexterity** to wind coils and armatures for small motors and transformers
- **Manual dexterity** to position and fasten components, such as springs, toggles and other parts, into assembly casings
- **Methodical interest in copying** information to assemble small and large household appliances, and small transformers, motors and transmissions used in appliances and other electrical products
- **Objective interest in operating** equipment to assemble circuit breakers, switches and other electrical control equipment; and in setting up assembly lines with materials and supplies
- **Innovative interest** in setting up and adjusting production tools, and in performing minor repairs to products rejected from production assembly lines

## Physical Activities

**Vision**  
2 Near vision

**Colour Discrimination**  
1 Relevant

**Hearing**  
1 Limited

**Body Position**  
4 Other body positions

**Limb Co-ordination**  
1 Upper limb co-ordination

**Strength**  
3 Medium

## Environmental Conditions

**Location**  
L1 Regulated inside climate

**Hazards**  
H3 Equipment, machinery, tools

**Discomforts**  
D1 Noise

## Employment Requirements

**Education/Training**  
2

- Some secondary school education is usually required.
- On-the-job training is provided.

## Workplaces/Employers

Electrical appliance manufacturing companies

Electrical equipment manufacturing companies

## Occupational Options

With experience assemblers may progress to inspecting and testing positions.

Progression to supervisory positions is possible with experience.

## Similar Occupations Classified Elsewhere

Assemblers of electronic products, such as televisions, radios and computers (in 9483 *Electronics Assemblers, Fabricators, Inspectors and Testers*)

Assemblers of heavy-duty electrical motors, transformers and related equipment (in 9485 *Assemblers, Fabricators and Inspectors, Industrial Electrical Motors and Transformers*)

*Electrical Appliance Servicers and Repairers* (7332)

*Electrical Mechanics* (7333)

*Machine Operators and Inspectors, Electrical Apparatus Manufacturing* (9487)

*Supervisors, Electrical Products Manufacturing* (9223)



# 9484.2 Inspectors and Testers, Electrical Appliance, Apparatus and Equipment Manufacturing

Inspectors and testers in this group inspect and test assembled products.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	3	3	4	3	3	3	3	3

### INTERESTS

MOI

### DATA PEOPLE THINGS (DPT)

584

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	1	1	2	1	2

### ENVIRONMENTAL CONDITIONS (EC)

L1, D1

### EDUCATION/TRAINING

2, 6

## Examples of Job Titles

inspector, electrical appliance assembly

inspector, electrical controls assembly

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to inspect and test assembled products
- **Verbal ability** to summarize inspection results
- **Numerical ability and clerical perception** to record inspection results
- **Form perception** to check products at different stages of production for visual defects
- **Motor co-ordination and finger and manual dexterity** to check products at different stages of production for faulty electrical and mechanical connections
- **Methodical interest in copying** information to collect and record inspection results; and in marking acceptable and defective assemblies
- **Objective interest in operating** automatic and other testing equipment to ensure product quality
- **Innovative interest** in identifying and returning faulty assemblies to production for repairs

## Physical Activities

Vision  
2 Near vision

Colour Discrimination  
1 Relevant

Hearing  
1 Limited

Body Position  
2 Standing and/or walking

Limb Co-ordination  
1 Upper limb co-ordination

Strength  
2 Light

## Environmental Conditions

Location  
L1 Regulated inside climate

Discomforts  
D1 Noise

## Employment Requirements

Education/Training  
2, 6

- Some secondary school education is usually required.
- On-the-job training is provided.
- Inspectors may require experience as an assembler in the same company.
- Some types of inspectors may require completion of a college program in electronics.

## Workplaces/Employers

Electrical appliance manufacturing companies

Electrical equipment manufacturing companies

## Occupational Options

Progression to supervisory positions is possible with experience.

## Similar Occupations Classified Elsewhere

Assemblers of electronic products, such as televisions, radios and computers (in 9483 *Electronics Assemblers, Fabricators, Inspectors and Testers*)

Assemblers of heavy-duty electrical motors, transformers and related equipment (in 9485 *Assemblers, Fabricators and Inspectors, Industrial Electrical Motors and Transformers*)

*Electrical Appliance Servicers and Repairers* (7332)

*Electrical Mechanics* (7333)

*Machine Operators and Inspectors, Electrical Apparatus Manufacturing* (9487)

*Supervisors, Electrical Products Manufacturing* (9223)

# 9485.1 Assemblers, Industrial Electrical Motors and Transformers

Assemblers in this group assemble and fit heavy-duty industrial electrical equipment.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	4	3	3	3	4	3	3	3

### INTERESTS

OMi

### DATA PEOPLE THINGS (DPT)

384

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	1	1	4	1	3

### ENVIRONMENTAL CONDITIONS (EC)

L1, H3, D1

### EDUCATION/TRAINING

4+

## Examples of Job Titles

assembler and wirer, motors and generators  
coil winder, transformer  
power transformer assembler  
transformer winder  
winder, AC (alternating current) and DC (direct current) armatures

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning and numerical ability** to set up production machinery and equipment, and to assemble and fit motor and transformer auxiliary equipment such as bushings, tap changes, conduit boxes, heating devices, protective equipment and cooling equipment
- **Spatial and form perception** to assemble and fit metal and other prefabricated parts, according to blueprints, in order to build heavy-duty electric motors and transformers
- **Motor co-ordination and finger and manual dexterity** to make electrical connections using crimping, brazing and soldering equipment
- **Objective interest in operating** overhead cranes to assemble windings into transformer cores; and in assembling stators and armatures for heavy-duty electric motors, and in compressing steel laminations to build transformer cores
- **Methodical interest in compiling** data from drawings, work orders and specifications to determine fabrication and assembly procedures; may perform basic tests on electric motors
- **Innovative interest** in adjusting production machinery and equipment, such as coil winding machines for the manufacture of heavy-duty electrical equipment

## Physical Activities

**Vision**  
2 Near vision

**Colour Discrimination**  
1 Relevant

**Hearing**  
1 Limited

**Body Position**  
4 Other body positions

**Limb Co-ordination**  
1 Upper limb co-ordination

**Strength**  
3 Medium

## Environmental Conditions

**Location**  
L1 Regulated inside climate

**Hazards**  
H3 Equipment, machinery, tools

**Discomforts**  
D1 Noise

## Employment Requirements

**Education/Training**  
4+

- Completion of secondary school is usually required.
- College courses in electricity or electro-technology may be required.
- Several years of on-the-job training are usually provided.
- Set-up persons and leadhands in this group may require experience as an assembler, fitter or wiper in the same company.

## Workplaces/Employers

Manufacturers of heavy-duty electrical equipment such as:

Control equipment

Industrial electric motors

Railway locomotives

Transformers

Transit vehicles

## Occupational Options

Progression to supervisory positions is possible with experience.

## Similar Occupations Classified Elsewhere

*Assemblers and Inspectors, Electrical Appliance, Apparatus and Equipment Manufacturing (9484)*

Assemblers of small electrical motors, transformers, circuit breakers or similar products (in 9484 *Assemblers and Inspectors, Electrical Appliance, Apparatus and Equipment Manufacturing*)

*Electrical Mechanics (7333)*

Electrical technicians who test heavy-duty electric motors, transformers or other industrial electrical equipment (in 2241 *Electrical and Electronics Engineering Technologists and Technicians*)

*Supervisors, Electrical Products Manufacturing (9223)*

# 9485.2 Electrical Fitters and Wirers, Industrial Electrical Motors and Transformers

Electrical fitters and wirers, industrial electrical motors and transformers, assemble, fabricate, fit and wire heavy-duty industrial electrical equipment.

Profile Summary									
APTITUDES									
G	V	N	S	P	Q	K	F	M	
3	4	3	3	3	4	3	3	3	
INTERESTS									
OMi									
DATA PEOPLE THINGS (DPT)									
384									
PHYSICAL ACTIVITIES (PA)									
V	C	H	B	L	S				
2	1	1	4	1	2				
ENVIRONMENTAL CONDITIONS (EC)									
L1, H4									
EDUCATION/TRAINING									
4+									

Examples of Job Titles
assembler, switchgear and control panel
control panel assembler
electrical fitter
fitter-assembler, AC (alternating current) and DC (direct current) motors
panelboard assembler – industrial electrical equipment
switchgear fitter-wirer
wirer, electrical switchgear panels

Descriptor Profile		
<b>Main Characteristics</b>  Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties: <ul style="list-style-type: none"><li>▪ <b>General learning and numerical ability</b> to assemble, fabricate, fit and wire heavy-duty industrial electrical equipment</li><li>▪ <b>Spatial and form perception</b> to interpret engineering drawings, electrical schematics and blueprints</li></ul>	<ul style="list-style-type: none"><li>▪ <b>Motor co-ordination and manual dexterity</b> to assemble panelboard and switchboard cabinets, and to install bus bars used to carry heavy electrical current</li><li>▪ <b>Finger dexterity</b> to wire electrical connections for switchboards and panelboards</li><li>▪ <b>Objective interest in operating</b> equipment to fit motor starters, contactors, capacitors, circuit breakers, voltage regulators, printed circuit boards and other electrical</li></ul>	
	<ul style="list-style-type: none"><li>control devices into switchboards and panelboards in order to produce automated processing control equipment, electrical distribution panels and other industrial electrical control equipment; may operate metal fabricating equipment to fabricate or modify bus bars</li><li>▪ <b>Methodical interest in compiling</b> data from engineering drawings, electrical schematics and blueprints to determine specifications</li><li>▪ <b>Innovative interest</b> in adjusting parts as required</li></ul>	

Physical Activities

Vision  
2 Near vision

Colour Discrimination  
1 Relevant

Hearing  
1 Limited

Body Position  
4 Other body positions

Limb Co-ordination  
1 Upper limb co-ordination

Strength  
2 Light

Environmental Conditions

Location  
L1 Regulated inside climate

Hazards  
H4 Electricity

Employment Requirements

Education/Training  
4+

- Completion of secondary school is usually required.
- College courses in electricity or electro-technology may be required.
- Several years of on-the-job training are usually provided.
- Leadhands in this group may require experience as an assembler, fitter or wirer in the same company.

Workplaces/Employers

Manufacturers of heavy-duty electrical equipment such as:  
Control equipment  
Industrial electric motors  
Railway locomotives  
Transformers  
Transit vehicles

Occupational Options

Progression to supervisory positions is possible with experience.

Similar Occupations Classified Elsewhere

*Assemblers and Inspectors, Electrical Appliance, Apparatus and Equipment Manufacturing (9484)*

Assemblers of small electrical motors, transformers, circuit breakers or similar products (in 9484 *Assemblers and Inspectors, Electrical Appliance, Apparatus and Equipment Manufacturing*)

*Electrical Mechanics (7333)*

Electrical technicians who test heavy-duty electric motors, transformers or other industrial electrical equipment (in 2241 *Electrical and Electronics Engineering Technologists and Technicians*)

*Supervisors, Electrical Products Manufacturing (9223)*



# 9485.3 Inspectors, Industrial Electrical Motors and Transformers

Inspectors, industrial electrical motors and transformers, inspect heavy-duty industrial electrical equipment.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	3	3	3	3	4	4	4	4

### INTERESTS

MIId

### DATA PEOPLE THINGS (DPT)

387

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	1	1	2	0	1

### ENVIRONMENTAL CONDITIONS (EC)

L1

### EDUCATION/TRAINING

4+

## Examples of Job Titles

inspector and tester, AC (alternating current) and DC (direct current) motors

inspector, electrical control panel

transformer inspector

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning and numerical ability** to check final assembly of electric motors, transformers and control equipment to ensure that they adhere to quality control standards
- **Verbal ability** summarize inspection results
- **Spatial perception** to visualize the arrangements of parts and configuration of finished products from blueprints
- **Form perception** to detect product defects
- **Methodical interest** in compiling information to collect and record inspection results
- **Innovative interest** in troubleshooting to resolve production problems
- **Directive interest** in handling equipment for inspection purposes; and in monitoring production



## Physical Activities

**Vision**  
2 Near vision

**Colour Discrimination**  
1 Relevant

**Hearing**  
1 Limited

**Body Position**  
2 Standing and/or walking

**Limb Co-ordination**  
0 Not relevant

**Strength**  
1 Limited

## Environmental Conditions

**Location**  
L1 Regulated inside climate

## Employment Requirements

**Education/Training**  
4+

- Completion of secondary school is usually required.
- College courses in electricity or electro-technology may be required.
- Several years of on-the-job training are usually provided.
- Inspectors in this group may require experience as an assembler, fitter or wirer in the same company.

## Workplaces/Employers

Manufacturers of heavy-duty electrical equipment such as:  
Control equipment  
Industrial electric motors  
Railway locomotives  
Transformers  
Transit vehicles

## Occupational Options

Progression to supervisory positions is possible with experience.

## Similar Occupations Classified Elsewhere

*Assemblers and Inspectors, Electrical Appliance, Apparatus and Equipment Manufacturing (9484)*

Assemblers of small electrical motors, transformers, circuit breakers or similar products (in 9484 *Assemblers and Inspectors, Electrical Appliance, Apparatus and Equipment Manufacturing*)

*Electrical Mechanics (7333)*

Electrical technicians who test heavy-duty electric motors, transformers or other industrial electrical equipment (in 2241 *Electrical and Electronics Engineering Technologists and Technicians*)

*Supervisors, Electrical Products Manufacturing (9223)*

# 9486.1 Mechanical Assemblers

Mechanical assemblers put together products such as trucks, buses, snowmobiles, garden tractors, automotive engines, transmissions, outboard motors, gearboxes, hydraulic pumps and sewing machines.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
4	4	4	4	3	4	3	4	3

### INTERESTS

OMI

### DATA PEOPLE THINGS (DPT)

584

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	1	1	4	1	3

### ENVIRONMENTAL CONDITIONS (EC)

L1, H3, D1

### EDUCATION/TRAINING

2

## Examples of Job Titles

automotive engine assembler  
garden machinery assembler  
gearbox assembler  
gearcase assembler  
hydraulic hoist assembler  
mechanical assembler  
sewing machine assembler  
snowmobile assembler  
tractor assembler  
transmission assembler  
truck assembler  
truck trailer assembler  
vending machine assembler

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to assemble, fit and install prefabricated parts to form subassemblies, and to finish products using hand and power tools
- **Form perception, motor coordination and manual dexterity** to connect cables, tubes and wires, and to fasten parts together using bolting and riveting equipment and other fastening and joining techniques
- **Objective interest in operating** automated assembling equipment and small cranes to transport and position larger parts; and in tending automated assembling equipment such as robotics and fixed automation equipment
- **Methodical interest in copying** information to assemble mechanical products
- **Innovative interest** in positioning, aligning and adjusting parts for proper fit and assembly

Physical Activities

Vision  
2 Near vision

Colour Discrimination  
1 Relevant

Hearing  
1 Limited

Body Position  
4 Other body positions

Limb Co-ordination  
1 Upper limb co-ordination

Strength  
3 Medium

Environmental Conditions

Location  
L1 Regulated inside climate

Hazards  
H3 Equipment, machinery, tools

Discomforts  
D1 Noise

Employment Requirements

Education/Training  
2

- Some secondary school education is required.
- Up to two years of on-the-job training are provided.

Workplaces/Employers

Machinery manufacturers  
Mechanical products manufacturing companies  
Transportation equipment manufacturers

Occupational Options

There is little or no mobility among the various assemblers and inspectors in the 9486 group.

Progression to supervisory positions is possible with experience.

Similar Occupations Classified Elsewhere

*Aircraft Assemblers and Aircraft Assembly Inspectors (9481)*

Industrial machinery, heavy equipment and aircraft engine assemblers (in 7316 *Machine Fitters*)

*Motor Vehicle Assemblers, Inspectors and Testers (9482)*

Supervisors of mechanical assemblers and inspectors (in 9226 *Supervisors, Other Mechanical and Metal Products Manufacturing*)

# 9486.2 Mechanical Inspectors

Mechanical inspectors check and inspect subassemblies and finished products to ensure proper quality and conformance to product specifications.

Profile Summary									
APTITUDES									
G	V	N	S	P	Q	K	F	M	
3	4	4	4	3	4	3	4	3	
INTERESTS									
OMd									
DATA PEOPLE THINGS (DPT)									
587									
PHYSICAL ACTIVITIES (PA)									
V	C	H	B	L	S				
2	1	1	4	1	2				
ENVIRONMENTAL CONDITIONS (EC)									
L1, D1									
EDUCATION/TRAINING									
2									

Examples of Job Titles
truck assembly inspector

### Descriptor Profile

#### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to check subassemblies and inspect finished products for proper quality
- **Form perception, motor co-ordination** and **manual dexterity** to check mechanical assemblies and subassemblies for alignment and proper functioning
- **Objective interest in handling** equipment to test and check electrical assemblies and wiring for proper connections
- **Methodical interest in copying** information to ensure subassemblies and finished products conform to product specifications
- **Directive interest** in performing minor adjustments and repairs

## Physical Activities

Vision  
2 Near vision

Colour Discrimination  
1 Relevant

Hearing  
1 Limited

Body Position  
4 Other body positions

Limb Co-ordination  
1 Upper limb co-ordination

Strength  
2 Light

## Environmental Conditions

Location  
L1 Regulated inside climate

Discomforts  
D1 Noise

## Employment Requirements

Education/Training  
2

- Some secondary school education is required.
- Up to two years of on-the-job training are provided.
- Experience as a mechanical assembler may be required for inspectors.

## Workplaces/Employers

Machinery manufacturers

Mechanical products manufacturing companies

Transportation equipment manufacturers

## Occupational Options

There is little or no mobility among the various assemblers and inspectors in the 9486 group.

Progression to supervisory positions is possible with experience.

## Similar Occupations Classified Elsewhere

*Aircraft Assemblers and Aircraft Assembly Inspectors (9481)*

Industrial machinery, heavy equipment and aircraft engine assemblers (in 7316 *Machine Fitters*)

*Motor Vehicle Assemblers, Inspectors and Testers (9482)*

Supervisors of mechanical assemblers and inspectors (in 9226 *Supervisors, Other Mechanical and Metal Products Manufacturing*)

# 9487.1 Machine Operators, Electrical Apparatus Manufacturing

Machine operators, electrical apparatus manufacturing, operate machinery and equipment to fabricate complete products and parts for use in the assembly of electric appliances, equipment and apparatus, such as batteries, fuses and plugs.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
4	4	4	4	4	5	3	4	3

### INTERESTS

MOi

### DATA PEOPLE THINGS (DPT)

584

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	1	1	4	1	2

### ENVIRONMENTAL CONDITIONS (EC)

L1, H1, H3, D1

### EDUCATION/TRAINING

2

## Examples of Job Titles

assembly machine setter – electrical equipment manufacturing

battery repairer, production line

dry cell charge machine operator

epoxy coating machine operator

machine operator – electrical equipment manufacturing

machine set-up operator – electrical equipment manufacturing

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to operate machinery and equipment to fabricate complete products and parts for use in the assembly of electric appliances and equipment
- **Motor co-ordination and manual dexterity** to position lead acid storage batteries on assembly lines and insert battery contents into casings, to load machinery with glass tubes, bulbs and other parts to produce incandescent, fluorescent and other types of light bulbs and tubes, and to remove and pack finished products
- **Methodical interest in copying** information to operate and feed machinery and equipment to produce wiring devices such as fuses, plugs, caps, sockets, connectors and switches
- **Objective interest in operating** machinery to assemble, test or package dry cell batteries, to fabricate plates for lead acid storage batteries, and to apply protective coatings to items such as freezer cabinets, small electric motors and transformer assemblies
- **Innovative interest** in setting up and adjusting production machinery and equipment for operation, and in performing minor repairs to items rejected from production lines

## Physical Activities

**Vision**  
2 Near vision

**Colour Discrimination**  
1 Relevant

**Hearing**  
1 Limited

**Body Position**  
4 Other body positions

**Limb Co-ordination**  
1 Upper limb co-ordination

**Strength**  
2 Light

## Environmental Conditions

**Location**  
L1 Regulated inside climate

**Hazards**  
H1 Dangerous chemical substances  
H3 Equipment, machinery, tools

**Discomforts**  
D1 Noise

## Employment Requirements

**Education/Training**  
2

- Some secondary school education is usually required.
- On-the-job training is provided.

## Workplaces/Employers

Electric appliance manufacturing companies

Electrical equipment manufacturing companies

## Occupational Options

With experience, machine operators may progress to inspecting and testing positions.

Progression to supervisory positions is possible with experience.

## Similar Occupations Classified Elsewhere

*Assemblers and Inspectors, Electrical Appliance, Apparatus and Equipment Manufacturing (9484)*

*Supervisors, Electrical Products Manufacturing (9223)*



# 9487.2 Inspectors and Testers, Electrical Apparatus Manufacturing

Inspectors and testers, electrical apparatus manufacturing, inspect and test completed parts and production items.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	4	4	4	4	5	3	4	3

### INTERESTS

MOd

### DATA PEOPLE THINGS (DPT)

587

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	1	1	2	1	2

### ENVIRONMENTAL CONDITIONS (EC)

L1, D1

### EDUCATION/TRAINING

2

## Examples of Job Titles

inspector, electrical dry battery

inspector, electrical light bulbs

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to inspect and test completed electrical parts and production items
- **Motor co-ordination and manual dexterity** to check in-process and completed production items for mechanical defects
- **Methodical interest in copying** information to collect, record and summarize inspection results; and in marking acceptable and defective assemblies
- **Objective interest** in operating testing equipment to maintain quality of products
- **Directive interest in handling** products during inspections to identify and return faulty assemblies to production for repairs

### Physical Activities

#### Vision

- 2 Near vision

#### Colour Discrimination

- 1 Relevant

#### Hearing

- 1 Limited

#### Body Position

- 2 Standing and/or walking

#### Limb Co-ordination

- 1 Upper limb co-ordination

#### Strength

- 2 Light

### Environmental Conditions

#### Location

- L1 Regulated inside climate

#### Discomforts

- D1 Noise

### Employment Requirements

#### Education/Training

- 2

- Some secondary school education is usually required.
- On-the-job training is provided.
- Inspectors may require experience as an assembler in the same company.

### Workplaces/Employers

Electric appliance manufacturing companies

Electrical equipment manufacturing companies

### Occupational Options

Progression to supervisory positions is possible with experience.

### Similar Occupations Classified Elsewhere

*Assemblers and Inspectors, Electrical Appliance, Apparatus and Equipment Manufacturing (9484)*

*Supervisors, Electrical Products Manufacturing (9223)*

# 9491.1 Boat Assemblers

Boat assemblers put together wood, fiberglass and metal boats such as sailboats, motorboats, canoes and cabin cruisers.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	4	4	3	3	5	3	4	3

### INTERESTS

OMi

### DATA PEOPLE THINGS (DPT)

584

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
3	0	1	4	1	4

### ENVIRONMENTAL CONDITIONS (EC)

L1, H3, D1

### EDUCATION/TRAINING

2, 4

## Examples of Job Titles

aluminum boat assembler

boat assembler

canoe assembler

fiberglass boat assembler

motorboat assembler

sailboat assembler

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to assemble wood, fiberglass and metal boats
- **Spatial and form perception** to visualize how various boat components fit together to form completed products
- **Motor co-ordination and manual dexterity** to cut, shape and join timber pieces to make wood boats using hand and power tools and to caulk decks and hulls using caulking guns
- **Objective interest in operating** equipment and using hand tools to install trims, rudders, seats, engine mounts and other accessories
- **Methodical interest in copying** information to assemble pre-cut timber pieces to make wood boats, and to assemble prefabricated parts and sections of fiberglass, metal and other material to form complete boats
- **Innovative interest** in fitting parts and sections to form complete assemblies; may repair boats

## Physical Activities

**Vision**  
3 Near and far vision

**Colour Discrimination**  
0 Not relevant

**Hearing**  
1 Limited

**Body Position**  
4 Other body positions

**Limb Co-ordination**  
1 Upper limb co-ordination

**Strength**  
4 Heavy

## Environmental Conditions

**Location**  
L1 Regulated inside climate

**Hazards**  
H3 Equipment, machinery, tools

**Discomforts**  
D1 Noise

## Employment Requirements

Education/Training  
2, 4

- Some secondary school may be required.
- Completion of college or other courses in boat building may be required.
- On-the-job training is provided.
- Experience as a helper or labourer in the same company may be required.

## Workplaces/Employers

Boat and marine craft manufacturing companies

## Occupational Options

Progression to supervisory positions is possible with experience.

## Similar Occupations Classified Elsewhere

Builders of customized wooden boats and wooden shipwrights (in 7271 *Carpenters*)

Canoe builders (in 5244 *Artisans and Craftspersons*)

Helpers and labourers in boat assembly (in 9619 *Other Labourers in Processing, Manufacturing and Utilities*)

Marine repair technicians (in 7383 *Other Trades and Related Occupations*)

Supervisors of boat assemblers and inspectors (in 9227 *Supervisors, Other Products Manufacturing and Assembly*)

Workers who fabricate, assemble and fit steel and other metal components to build ships (in 7263 *Structural Metal and Platework Fabricators and Fitters*)

# 9491.2 Boat Inspectors

Boat inspectors check assembled boats to ensure product quality.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	4	4	3	3	5	3	4	3

### INTERESTS

MOi

### DATA PEOPLE THINGS (DPT)

587

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
3	0	1	4	1	2

### ENVIRONMENTAL CONDITIONS (EC)

L1, D1

### EDUCATION/TRAINING

2, 4

## Examples of Job Titles

boat inspector

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to inspect assembled boats for defects and to ensure that they conform to quality standards
- **Spatial perception** to verify conformity with plans and specifications
- **Form perception** to examine assembled boats for defects
- **Methodical interest** in **copying** to record information on inspected products and mark defects
- **Objective interest** in **handling** measuring devices to verify alignments
- **Innovative interest** in making minor adjustments and repairs

## Physical Activities

**Vision**  
3 Near and far vision

**Colour Discrimination**  
0 Not relevant

**Hearing**  
1 Limited

**Body Position**  
4 Other body positions

**Limb Co-ordination**  
1 Upper limb co-ordination

**Strength**  
2 Light

## Environmental Conditions

**Location**  
L1 Regulated inside climate

**Discomforts**  
D1 Noise

## Employment Requirements

**Education/Training**  
2, 4

- Some secondary school may be required.
- Completion of college or other courses in boat building may be required.
- On-the-job training is provided.
- Experience as a boat assembler may be required for boat inspectors.

## Workplaces/Employers

Boat and marine craft manufacturing companies

## Occupational Options

Progression to supervisory positions is possible with experience.

## Similar Occupations Classified Elsewhere

Builders of customized wooden boats and wooden shipwrights (in 7271 *Carpenters*)

Canoe builders (in 5244 *Artisans and Craftspersons*)

Helpers and labourers in boat assembly (in 9619 *Other Labourers in Processing, Manufacturing and Utilities*)

Marine repair technicians (in 7383 *Other Trades and Related Occupations*)

Supervisors of boat assemblers and inspectors (in 9227 *Supervisors, Other Products Manufacturing and Assembly*)

Workers who fabricate, assemble and fit steel and other metal components to build ships (in 7263 *Structural Metal and Platework Fabricators and Fitters*)

# 9492.1 Furniture and Fixture Assemblers

Furniture and fixture assemblers put together parts to form subassemblies and complete articles of furniture and fixtures.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
4	4	4	3	4	4	3	3	3

### INTERESTS

OMi

### DATA PEOPLE THINGS (DPT)

584

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	0	1	4	1	3

### ENVIRONMENTAL CONDITIONS (EC)

L1, H3, D1, D4

### EDUCATION/TRAINING

2

## Examples of Job Titles

chair assembler  
desk assembler  
fixture assembler  
furniture assembler  
metal furniture assembler  
table assembler  
wood furniture assembler

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to form subassemblies and complete articles of furniture and fixtures
- **Spatial perception** to visualize how furniture components fit together to form complete products
- **Motor co-ordination and finger and manual dexterity** to prepare, sand and trim wooden furniture and fixture parts using hand and power tools
- **Objective interest in operating** equipment, and in using hand and power tools to install hardware, such as hinges and clasps, on furniture and fixtures
- **Methodical interest** in **copying** information to assemble wood and metal furniture and fixtures to form subassemblies and complete articles, and to assemble combinations of parts made of wood, metal, plastic, cane and other materials to form subassemblies
- **Innovative interest** in reinforcing assembled furniture and fixtures with dowels and other supports



## Physical Activities

**Vision**  
2 Near vision

**Colour Discrimination**  
0 Not relevant

**Hearing**  
1 Limited

**Body Position**  
4 Other body positions

**Limb Co-ordination**  
1 Upper limb co-ordination

**Strength**  
3 Medium

## Environmental Conditions

**Location**  
L1 Regulated inside climate

**Hazards**  
H3 Equipment, machinery, tools

**Discomforts**  
D1 Noise  
D4 Non-toxic dusts

## Employment Requirements

**Education/Training**  
2

- Some secondary school education may be required.
- On-the-job training is provided.
- Experience as a labourer in the same company may be required.

## Workplaces/Employers

Furniture manufacturing companies

## Occupational Options

Mobility is possible among jobs in the 9492 group.

Progression to supervisory positions is possible with experience.

## Similar Occupations Classified Elsewhere

*Cabinetmakers (7272)*

*Carpenters (7271)*

*Furniture Finishers and Refinishers (9494)*

*Other Wood Products Assemblers and Inspectors (9493)*

Supervisors of workers in this group (in 9224 *Supervisors, Furniture and Fixtures Manufacturing*)

*Woodworking Machine Operators (9513)*

# 9492.2 Furniture and Fixture Inspectors

Furniture and fixture inspectors examine furniture and fixture subassemblies and finished products to ensure product quality.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
4	4	4	3	4	4	3	4	3

### INTERESTS

MOi

### DATA PEOPLE THINGS (DPT)

587

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	1	1	4	1	2

### ENVIRONMENTAL CONDITIONS (EC)

L1, D1

### EDUCATION/TRAINING

2

## Examples of Job Titles

assembly inspector – furniture  
manufacturing

furniture inspector

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to inspect furniture and fixture subassemblies and finished products to ensure that they conform to quality standards
- **Spatial perception** to verify conformity with plans and specifications
- **Motor co-ordination** and **manual dexterity** to use measuring and marking devices, and to examine assembled products
- **Methodical interest** in **copying** to record information on inspected products and mark defective parts and products
- **Objective interest** in **handling** furniture and fixture subassemblies and finished products for inspection purposes
- **Innovative interest** in making minor adjustments and repairs

## Physical Activities

**Vision**  
2 Near vision

**Colour Discrimination**  
1 Relevant

**Hearing**  
1 Limited

**Body Position**  
4 Other body positions

**Limb Co-ordination**  
1 Upper limb co-ordination

**Strength**  
2 Light

## Environmental Conditions

**Location**  
L1 Regulated inside climate

**Discomforts**  
D1 Noise

## Employment Requirements

**Education/Training**  
2

- Some secondary school education may be required.
- On-the-job training is provided.
- Experience as a labourer in the same company may be required.

## Workplaces/Employers

Furniture manufacturing companies

## Occupational Options

Mobility is possible among jobs in the 9492 group.

Progression to supervisory positions is possible with experience.

## Similar Occupations Classified Elsewhere

*Cabinetmakers (7272)*

*Carpenters (7271)*

*Furniture Finishers and Refinishers (9494)*

*Other Wood Products Assemblers and Inspectors (9493)*

Supervisors of workers in this group (in 9224 *Supervisors, Furniture and Fixtures Manufacturing*)

*Woodworking Machine Operators (9513)*

# 9493.1 Other Wood Products Assemblers

Workers in this group assemble a variety of wood products and millwork, such as window sashes and doors.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
4	4	5	4	4	4	3	4	3

### INTERESTS

OMi

### DATA PEOPLE THINGS (DPT)

584

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	0	1	4	1	3

### ENVIRONMENTAL CONDITIONS (EC)

L1, H3, D1, D4

### EDUCATION/TRAINING

2

## Examples of Job Titles

bench assembler, wood products  
crate builder, wood  
manufactured housing production worker  
millwork assembler  
pallet maker, wood  
prefabricated housing assembler  
wood products assembler  
wooden box assembler  
wooden door maker

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to read production orders and diagrams, and to assemble a variety of wood products and millwork such as window sashes and doors
- **Motor co-ordination and manual dexterity** to trim and sand joints, moulding and other wood parts to be assembled using hand and power tools, and to install hardware such as knobs and hinges
- **Objective interest in operating** assembly line equipment such as jigs, overhead cranes and hand and power tools to assemble door panels, trusses, modular components and other parts to make prefabricated housing
- **Methodical interest in copying** information to assemble wood products such as window sashes, doors, boxes, pallets, ladders and barrels using glue, staples, screws, bolts and other fasteners
- **Innovative interest** in reinforcing assembled products with dowelling and other supports; may assist with maintenance of machinery

Physical Activities

Vision  
2 Near vision

Colour Discrimination  
0 Not relevant

Hearing  
1 Limited

Body Position  
4 Other body positions

Limb Co-ordination  
1 Upper limb co-ordination

Strength  
3 Medium

Environmental Conditions

Location  
L1 Regulated inside climate

Hazards  
H3 Equipment, machinery, tools

Discomforts  
D1 Noise  
D4 Non-toxic dusts

Employment Requirements

Education/Training  
2

- Some secondary school education may be required.
- Experience as a labourer in the same company may be required.
- On-the-job training is provided.

Workplaces/Employers

Wood and millwork products manufacturing companies

Similar Occupations Classified Elsewhere

*Cabinetmakers (7272)*

*Carpenters (7271)*

*Furniture and Fixture Assemblers and Inspectors (9492)*

Labourers in wood products manufacturing (in 9619 *Other Labourers in Processing Manufacturing and Utilities*)

*Supervisors, Other Products Manufacturing and Assembly (9227)*

*Woodworking Machine Operators (9513)*

# 9493.2 Other Wood Products Inspectors

Inspectors in this group examine wood products to ensure product quality.

<

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to inspect wood products to ensure that they conform to quality standards

- **Motor co-ordination** and **manual dexterity** to use measuring and marking devices
- **Methodical interest** in **copying** to record information on inspected products and mark defective parts and products

- **Objective interest** in **handling** wood products for inspection purposes
- **Innovative interest** in making minor adjustments and repairs

## Physical Activities

Vision  
2 Near vision

Colour Discrimination  
0 Not relevant

Hearing  
1 Limited

Body Position  
4 Other body positions

Limb Co-ordination  
1 Upper limb co-ordination

Strength  
2 Light

## Environmental Conditions

Location  
L1 Regulated inside climate

Discomforts  
D1 Noise

## Employment Requirements

Education/Training  
2

- Some secondary school education may be required.
- Experience as a labourer in the same company may be required.
- Inspectors may require related assembly experience.
- On-the-job training is provided.

## Workplaces/Employers

Wood and millwork products manufacturing companies

## Similar Occupations Classified Elsewhere

*Cabinetmakers (7272)*

*Carpenters (7271)*

*Furniture and Fixture Assemblers and Inspectors (9492)*

Labourers in wood products manufacturing (in 9619 *Other Labourers in Processing Manufacturing and Utilities*)

*Supervisors, Other Products Manufacturing and Assembly (9227)*

*Woodworking Machine Operators (9513)*



# 9494.1 Furniture Finishers

Furniture finishers finish new wood and metal furniture to specified colours and finishes.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
4	4	4	4	4	4	3	4	3

### INTERESTS

OMI

### DATA PEOPLE THINGS (DPT)

684

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	1	1	4	1	3

### ENVIRONMENTAL CONDITIONS (EC)

L1, H1, H3, D3, D4

### EDUCATION/TRAINING

2, 4

## Examples of Job Titles

finishing machine operator  
furniture finisher  
furniture polisher  
furniture stainer  
touch-up person – furniture finishing  
trimmer – furniture finishing  
wash-off operator – furniture finishing  
wood finisher

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to set up and operate finishing machines or finish furniture by hand

- **Motor co-ordination and manual dexterity** to apply lacquers and other sealers, to spray metal furniture with paint and other materials, and to clean and polish furniture
- **Objective interest in operating** equipment to sand metal furniture to prepare for finish; and in using brushes and spray guns

- **Methodical interest in comparing** information to stain and finish wood to specified colour with stains, paints and other materials and to apply toners, highlights, glazes and shaders to obtain desired finish
- **Innovative interest** in decorating wood surfaces and marking them to create antique and other effects using hand and power tools

---

**Physical Activities**

---

**Vision**

- 2 Near vision

**Colour Discrimination**

- 1 Relevant

**Hearing**

- 1 Limited

**Body Position**

- 4 Other body positions

**Limb Co-ordination**

- 1 Upper limb co-ordination

**Strength**

- 3 Medium

---

**Environmental Conditions**

---

**Location**

- L1 Regulated inside climate

**Hazards**

- H1 Dangerous chemical substances  
H3 Equipment, machinery, tools

**Discomforts**

- D3 Odours  
D4 Non-toxic dusts

---

**Employment Requirements**

---

**Education/Training**

- 2, 4

- Some secondary school education is required.
- College, high school or industry courses in furniture finishing may be required.
- On-the-job training is provided.

---

**Workplaces/Employers**

---

Furniture manufacturing plants

Furniture refinishing and repair shops

Retail furniture stores

---

**Similar Occupations Classified Elsewhere**

---

*Painters and Decorators (7294)*

*Upholsterers (7341)*

## 9494.2 Furniture Refinishers

Furniture refinishers refinish repaired, used and old furniture.

---

### Profile Summary

---

#### APTITUDES

G	V	N	S	P	Q	K	F	M
4	4	4	4	4	4	3	4	3

---

#### INTERESTS

OMI

---

#### DATA PEOPLE THINGS (DPT)

684

---

#### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	1	1	4	1	3

---

#### ENVIRONMENTAL CONDITIONS (EC)

L1, H1, H3, D3, D4

---

#### EDUCATION/TRAINING

2, 4

---

### Examples of Job Titles

furniture refinisher

furniture stripper

---

### Descriptor Profile

#### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to refinish repaired, used and old furniture
- **Motor co-ordination and manual dexterity** to strip old finish from wood surfaces using steel wool, sandpaper and solvents, to smooth gouges with wood fillers, to sand wood, and to polish and wax refinished surfaces
- **Objective interest in operating** equipment to sand and grind metal surfaces to prepare for coatings, and to paint metal surfaces using electrostatic methods, spray guns and other painting equipment; may perform duties of furniture finisher
- **Methodical interest** in **comparing** to match colours to obtain original finishes
- **Innovative interest** in applying appropriate finishes to stripped wood; and in making minor repairs

## Physical Activities

Vision  
2 Near vision

Colour Discrimination  
1 Relevant

Hearing  
1 Limited

Body Position  
4 Other body positions

Limb Co-ordination  
1 Upper limb co-ordination

Strength  
3 Medium

## Environmental Conditions

Location  
L1 Regulated inside climate

Hazards  
H1 Dangerous chemical substances  
H3 Equipment, machinery, tools

Discomforts  
D3 Odours  
D4 Non-toxic dusts

## Employment Requirements

Education/Training  
2, 4

- Some secondary school education is required.
- College, high school or industry courses in furniture refinishing may be required.
- On-the-job training is provided.

## Workplaces/Employers

Furniture refinishing and repair shops  
Self-employment

## Similar Occupations Classified Elsewhere

*Painters and Decorators (7294)*

*Upholsterers (7341)*

# 9495.1 Plastic Products Assemblers and Finishers

Plastics products assemblers and finishers put together and finish plastic parts and products.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
4	4	4	4	4	4	3	4	3

### INTERESTS

OMi

### DATA PEOPLE THINGS (DPT)

584

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	0	1	4	1	3

### ENVIRONMENTAL CONDITIONS (EC)

L1, H1\*, H3, H7\*, D1, D3

### EDUCATION/TRAINING

2

## Examples of Job Titles

fibreglass laminator  
plastic bottle trimmer  
plastic parts assembler  
plastic products fabricator  
plastic tank assembler  
plastics assembler  
plastics trimmer  
skylight assembler

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to assemble and finish plastic parts and products
- **Motor co-ordination and manual dexterity** to operate spray guns in order to apply resin mixtures to metal and wood moulds to form plastic products
- **Objective interest in operating** machines, equipment and hand tools to cut, shape, splice and fit plastic materials to form parts and assemblies, and in operating finishing equipment to trim, grind and buff products into final form
- **Methodical interest in copying** information to assemble composite materials on patterns to form parts and assemblies using bonding agents
- **Innovative interest** in loading and operating autoclave ovens to cure and bond parts and subassemblies

## Physical Activities

### Vision

2 Near vision

### Colour Discrimination

0 Not relevant

### Hearing

1 Limited

### Body Position

4 Other body positions

### Limb Co-ordination

1 Upper limb co-ordination

### Strength

3 Medium

## Environmental Conditions

### Location

L1 Regulated inside climate

### Hazards

H1\* Dangerous chemical substances  
H3 Equipment, machinery, tools  
H7\* Fire, steam, hot surfaces

### Discomforts

D1 Noise  
D3 Odours

## Employment Requirements

### Education/Training

2

- Some secondary school education is usually required.
- Experience as a labourer in the same company may be required.
- On-the-job training is provided.

## Workplaces/Employers

Plastic parts divisions of aircraft and other manufacturing companies

Plastic products manufacturing companies

## Occupational Options

Mobility among the various workers in the 9495 group is possible.

Progression to supervisory positions is possible with experience.

## Similar Occupations Classified Elsewhere

*Labourers in Rubber and Plastic Products Manufacturing (9615)*

*Plastics Processing Machine Operators (9422)*

*Rubber Processing Machine Operators and Related Workers (9423)*

*Supervisors, Plastic and Rubber Products Manufacturing (9214)*

## Remarks

\*Environmental Conditions

- For some occupations in this group, Hazards H1 (Dangerous chemical substances) and H7 (Fire, steam, hot surfaces) may also apply.

# 9495.2 Plastics Products Inspectors

Plastics products inspectors examine plastic parts and products.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
4	4	4	4	4	4	3	4	3

### INTERESTS

MOI

### DATA PEOPLE THINGS (DPT)

587

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	0	1	2	1	2

### ENVIRONMENTAL CONDITIONS (EC)

L1, D1

### EDUCATION/TRAINING

2

## Examples of Job Titles

plastic products inspector and tester  
plastics inspector

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to inspect plastic products for defects and to ensure that they conform to specifications and quality standards
- **Motor co-ordination** and **manual dexterity** to affix seals and tags to approved products
- **Methodical interest** in **copying** information to mark defective products and prepare reports on inspected products
- **Objective interest** in **handling** products for inspection; and in using instruments to inspect plastic products
- **Innovative interest** in making minor adjustments and repairs to products, and in rerouting defective products for repair or recycle



## Physical Activities

**Vision**  
2 Near vision

**Colour Discrimination**  
0 Not relevant

**Hearing**  
1 Limited

**Body Position**  
2 Standing and/or walking

**Limb Co-ordination**  
1 Upper limb co-ordination

**Strength**  
2 Light

## Environmental Conditions

**Location**  
LI Regulated inside climate

**Discomforts**  
D1 Noise

## Employment Requirements

**Education/Training**  
2

- Some secondary school education is usually required.
- Experience as a labourer in the same company may be required.
- On-the-job training is provided.

## Workplaces/Employers

Plastic parts divisions of aircraft and other manufacturing companies

Plastic products manufacturing plants

## Occupational Options

Mobility among the various workers in the 9495 group is possible.

Progression to supervisory positions is possible with experience.

## Similar Occupations Classified Elsewhere

*Labourers in Rubber and Plastic Products Manufacturing (9615)*

*Plastics Processing Machine Operators (9422)*

*Rubber Processing Machine Operators and Related Workers (9423)*

*Supervisors, Plastic and Rubber Products Manufacturing (9214)*

# 9496 Painters and Coaters – Industrial

Painters and coaters in this group tend to operate machines or use brushes and spray equipment to apply paint, enamel, lacquer and other non-metallic protective and decorative coatings to surfaces of various products.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
4	4	4	4	3	4	3	3	3

### INTERESTS

OMi

### DATA PEOPLE THINGS (DPT)

584

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	1	1	4	1	2

### ENVIRONMENTAL CONDITIONS (EC)

L1, H1, D3

### EDUCATION/TRAINING

2, 4, 5

## Examples of Job Titles

assembly painter  
automobile painter – motor vehicle manufacturing  
aviation painter  
bathtub refinisher  
coating machine operator – industrial painting and coating  
dip tank attendant  
enameller  
industrial products painter  
manufacturing painter  
paint machine operator  
paint systems operator  
production painter  
robotic spray paint attendant  
rustproofing, motor vehicle  
spray paint operator  
spray painter

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to tend and operate machines, and use brushes and spray equipment to apply paint, enamel, lacquer and other non-metallic protective and decorative coatings to surfaces of products
- **Form perception** to observe surface coatings for proper thickness, smoothness and quality
- **Motor co-ordination and finger dexterity** to paint small items and apply touch-ups using brushes
- **Manual dexterity** to operate hand-held spray guns to spray paint and coat stationary items or items moving on conveyors
- **Objective interest in operating** equipment to clean, wash, strip, sand, remove corrosion, fill dents and otherwise prepare items for paint, lacquer and other protective and decorative coatings; and in operating automated spray paint, dip and flow coating equipment and other mechanized painting and product coating application equipment
- **Methodical interest in copying** information to mix paints using automated paint mixing equipment according to predetermined formulas, and to clean and maintain painting and coating, ventilation, compressed air and personal protective equipment
- **Innovative interest** in selecting appropriate paints; may prepare and apply stencils, computer-generated decals and other decorative items on finished products

## Physical Activities

**Vision**  
2 Near vision

**Colour Discrimination**  
1 Relevant

**Hearing**  
1 Limited

**Body Position**  
4 Other body positions

**Limb Co-ordination**  
1 Upper limb co-ordination

**Strength**  
2 Light

## Environmental Conditions

**Location**  
L1 Regulated inside climate

**Hazards**  
H1 Dangerous chemical substances

**Discomforts**  
D3 Odours

## Employment Requirements

**Education/Training**  
2, 4, 5

- Some secondary school education is usually required.
- Several months of on-the-job training are usually provided.
- Some industrial painters, such as aviation painters, require specialized training or college courses.

## Workplaces/Employers

Manufacturing companies  
Refinishing establishments  
Specialized coating shops

## Occupational Options

Progression to supervisory positions is possible with experience.

## Similar Occupations Classified Elsewhere

Autobody repair painters (in 7322 *Motor Vehicle Body Repairers*)

Construction painters (in 7294 *Painters and Decorators*)

*Furniture Finishers and Refinishers* (9494)

*Plating, Metal Spraying and Related Operators* (9497)

Supervisors of manufacturing painters and coaters (in 9214 *Supervisors, Plastic and Rubber Products Manufacturing* and in 922 *Supervisors, Assembly and Fabrication*)

# 9497    Plating, Metal Spraying and Related Operators

Workers in this group operate machines and equipment to deposit metallized substances on metal and other articles to provide decorative, protective and restorative coatings.

---

## Profile Summary

---

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	4	4	4	3	4	3	4	3

---

### INTERESTS

OMi

---

### DATA PEOPLE THINGS (DPT)

584

---

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	1	1	2	1	2

---

### ENVIRONMENTAL CONDITIONS (EC)

L1, H1, H3, H7

---

### EDUCATION/TRAINING

2

---

## Examples of Job Titles

anodizer  
electroplater operator  
galvanizer  
metal coater operator  
metal dipper  
metal electroplater  
metal spray operator  
sherardizer

---

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to operate machines and equipment to deposit metallized substances on metal and other articles for decorative, protective and restorative coatings
- **Form perception** to find defects in plating when checking for proper thicknesses
- **Motor co-ordination and manual dexterity** to operate spray equipment to build up worn and damaged parts, and to bond protective and decorative coatings on metal objects
- **Objective interest in operating** electroplating and hot-dip metal plating equipment to coat or galvanize metal and other objects; may tend ovens which cure metal coatings
- **Methodical interest in copying** information to prepare and mix metallizing solutions according to formulas and specifications; and in tending automatic metal coating machines that convey objects through a series of cleaning, rinsing and plating solutions; may clean and prepare metal parts for coating
- **Innovative interest** in checking the proper thicknesses of plating using micrometers, callipers and other devices

---

**Physical Activities**


---

**Vision**

- 2 Near vision

**Colour Discrimination**

- 1 Relevant

**Hearing**

- 1 Limited

**Body Position**

- 2 Standing and/or walking

**Limb Co-ordination**

- 1 Upper limb co-ordination

**Strength**

- 2 Light
- 

---

**Environmental Conditions**


---

**Location**

- L1 Regulated inside climate

**Hazards**

- H1 Dangerous chemical substances
  - H3 Equipment, machinery, tools
  - H7 Fire, steam, hot surfaces
- 

---

**Employment Requirements**


---

**Education/Training**

- 2

- Some secondary school education is usually required.
  - Experience in operating production machinery or equipment may be required.
  - Three to six months of on-the-job training are usually required.
- 

---

**Workplaces/Employers**


---

Customized metal plating and coating shops

Metal products manufacturing companies

---



---

**Occupational Options**


---

Progression to supervisory positions is possible with experience.

---

**Similar Occupations Classified Elsewhere**


---

Production painters (in 9496 *Painters and Coaters – Industrial*)

Supervisors of operators in this group (in 9226 *Supervisors, Other Mechanical and Metal Products Manufacturing*)

## 9498.1 Other Assemblers

Workers in this group assemble products such as jewellery, silverware, clocks and watches, musical instruments, sporting goods and toys.

### Profile Summary

#### APTITUDES

G	V	N	S	P	Q	K	F	M
4	4	4	4	4	4	3	3	3

#### INTERESTS

OMi

#### DATA PEOPLE THINGS (DPT)

584

#### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	1	1	4	1	3

#### ENVIRONMENTAL CONDITIONS (EC)

L1, H3

#### EDUCATION/TRAINING

2

### Examples of Job Titles

antenna assembler  
bicycle assembler  
eyeglass frame assembler  
golf club assembler  
lampshade assembler  
Venetian blind assembler  
watch assembler

### Descriptor Profile

#### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to assemble products such as jewellery, silverware, clocks and watches, musical instruments, sporting goods and toys
- **Motor co-ordination and manual dexterity** to cut, shape and fit materials to form parts and components
- **Finger dexterity** to screw, clip, glue, bond, weld and otherwise assemble parts and components
- **Objective interest in operating** equipment and using hand tools to bring products to final form by sanding, trimming, grinding and cleaning
- **Methodical interest in copying** information to assemble parts and components to form products
- **Innovative interest** in making minor adjustments and repairs

Physical Activities

Vision  
2 Near vision

Colour Discrimination  
1 Relevant

Hearing  
1 Limited

Body Position  
4 Other body positions

Limb Co-ordination  
1 Upper limb co-ordination

Strength  
3 Medium

Environmental Conditions

Location  
L1 Regulated inside climate

Hazards  
H3 Equipment, machinery, tools

Employment Requirements

Education/Training  
2

- Some secondary school education is usually required.
- Experience as a manufacturing labourer in the same company may be required.
- On-the-job training is provided.

Workplaces/Employers

Manufacturing companies

Occupational Options

There is little or no mobility among the various assemblers in the 9498 group.

Progression to supervisory positions is possible with experience.

Similar Occupations Classified Elsewhere

*Other Products Machine Operators*  
(9517)

*Supervisors, Other Products*  
*Manufacturing and Assembly* (9227)



# 9498.2 Other Inspectors

Workers in this group inspect assembled products such as jewellery, silverware, clocks and watches, musical instruments, sporting goods and toys.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
4	4	4	4	4	4	3	3	3

### INTERESTS

MOd

### DATA PEOPLE THINGS (DPT)

587

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	1	1	2	0	1

### ENVIRONMENTAL CONDITIONS (EC)

L1

### EDUCATION/TRAINING

2

## Examples of Job Titles

camera assembly inspector  
jewellery inspector  
piano assembly inspector  
toy inspector

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to check manufactured items for defects to ensure that they conform to specifications
- **Motor co-ordination** and **finger and manual dexterity** to affix seals and tags to approved items
- **Methodical interest** in **copying** information to complete reports on inspected products
- **Objective interest** in **handling** to inspect manufactured items visually; and in using sample models and instruments for inspection purposes
- **Directive interest** in returning defective products for repair or recycle

---

**Physical Activities**


---

Vision  
2 Near vision

Colour Discrimination  
1 Relevant

Hearing  
1 Limited

Body Position  
2 Standing and/or walking

Limb Co-ordination  
0 Not relevant

Strength  
1 Limited

---

**Environmental Conditions**


---

Location  
L1 Regulated inside climate

---

**Employment Requirements**


---

Education/Training  
2

- Some secondary school education is usually required.
- Experience as a manufacturing labourer in the same company may be required.
- On-the-job training is provided.

---

**Workplaces/Employers**


---

Manufacturing companies

---

**Occupational Options**


---

There is little or no mobility among the various assemblers in the 9498 group.

Progression to supervisory positions is possible with experience.

---

**Similar Occupations Classified Elsewhere**


---

*Other Products Machine Operators*  
(9517)

*Supervisors, Other Products*  
*Manufacturing and Assembly* (9227)

# 9511 Machining Tool Operators

Machining tool operators set up and operate or tend metal-cutting machines designed for repetitive machining work. This group includes workers who etch and chemically mill metal pieces.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	3	3	3	3	4	3	3	3

### INTERESTS

OMi

### DATA PEOPLE THINGS (DPT)

584

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	0	1	2	1	3

### ENVIRONMENTAL CONDITIONS (EC)

L1, H1\*, H3, H6, D1, D2\*

### EDUCATION/TRAINING

2, 4

## Examples of Job Titles

aircraft parts etcher  
boring mill operator – metal machining  
CNC machining tool operator  
lathe machining operator  
machining tool operator  
milling machine set-up operator  
production gear cutter  
production grinder operator – metal machining  
radial drill operator – metal machining

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to set up and operate or tend metal-cutting machines designed for repetitive machining work
- **Verbal ability** to study job orders
- **Numerical ability and form perception** to measure and verify dimensions of machined parts using micrometers, callipers and other precision measuring instruments
- **Spatial perception** to interpret blueprints in order to determine future machining operations
- **Motor co-ordination and finger and manual dexterity** to immerse metal parts and work pieces in etching solutions to remove unwanted portions; may enter codes specifying speed, feed and cut for computer numerically controlled (CNC) machine tools
- **Objective interest in operating** and tending machines to perform repetitive machining operations such as turning, milling, drilling, boring, planing, honing, broaching and grinding
- **Methodical interest in copying** information to prepare etching solutions; and to perform routine maintenance on equipment and machinery
- **Innovative interest** in setting up metal-cutting machines

## Physical Activities

**Vision**  
2 Near vision

**Colour Discrimination**  
0 Not relevant

**Hearing**  
1 Limited

**Body Position**  
2 Standing and/or walking

**Limb Co-ordination**  
1 Upper limb co-ordination

**Strength**  
3 Medium

## Environmental Conditions

**Location**  
L1 Regulated inside climate

**Hazards**  
H1\* Dangerous chemical substances  
H3 Equipment, machinery, tools  
H6 Flying particles, falling objects

**Discomforts**  
D1 Noise  
D2\* Vibration

## Employment Requirements

**Education/Training**  
2, 4

- Some secondary school education is required.
- College or other courses in machining may be required.
- Several months of on-the-job training are provided.
- Senior positions in this group, such as set-up operator, require experience as a machine operator.

## Workplaces/Employers

Machine shops

Metal products and other manufacturing companies

## Occupational Options

Experienced machining tool operators may become machinists or tool and die makers through apprenticeship training.

## Similar Occupations Classified Elsewhere

CAD/CAM and CNC programmers (in 2233 *Industrial Engineering and Manufacturing Technicians and Technologists*)

*Machinists and Machining and Tooling Inspectors (7231)*

*Supervisors, Machinists and Related Occupations (7211)*

*Tool and Die Makers (7232)*

## Remarks

\*Environmental Conditions

- For some occupations in this group, **Hazards** H1 (Dangerous chemical substances) and **Discomforts** D2 (Vibration) may also apply.

# 9512 Forging Machine Operators

Forging machine operators operate forging machines to form and shape metal into various shapes and sizes, and to produce desired strength, hardness and other characteristics.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
4	4	4	4	3	4	4	4	3

### INTERESTS

OMd

### DATA PEOPLE THINGS (DPT)

584

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
3	1	1	4	1	4

### ENVIRONMENTAL CONDITIONS (EC)

L2, H3, H7, D1

### EDUCATION/TRAINING

2

## Examples of Job Titles

bending machine operator  
cold drawn operator  
cold press operator  
forging press operator  
hot press operator  
manipulator operator  
trip hammer operator  
upsetter operator

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to operate forging machines to form and shape metal into various shapes and sizes, and to produce desired strength, hardness and other characteristics
- **Form perception** to examine finished forgings for defects
- **Manual dexterity** to place metal pieces in furnaces, using hand tongs, and remove from furnaces when colour of metals indicate proper forging temperatures, and to position heated and cold metal pieces on dies of presses and other forging machinery
- **Objective interest in operating** gas or oil fired furnaces to heat metals to proper temperatures before forging; and in positioning and adjusting dies on anvils of forging machinery using hand tools, overhead cranes or other hoisting devices
- **Methodical interest in copying** information to operate presses and other machines to perform hot and cold forging by flattening, straightening, twisting, forming, drawing, upsetting, splitting, cutting, punching, piercing, bending, coining and other operations
- **Directive interest** in loading and unloading furnaces with automatic conveyors

**Physical Activities**

**Vision**  
3 Near and far vision

**Colour Discrimination**  
1 Relevant

**Hearing**  
1 Limited

**Body Position**  
4 Other body positions

**Limb Co-ordination**  
1 Upper limb co-ordination

**Strength**  
4 Heavy

**Environmental Conditions**

**Location**  
L2 Unregulated inside climate

**Hazards**  
H3 Equipment, machinery, tools  
H7 Fire, steam, hot surfaces

**Discomforts**  
D1 Noise

**Employment Requirements**

**Education/Training**  
2

- Completion of secondary school may be required.
- On-the-job training is provided.

**Workplaces/Employers**

Fabricated metal products industry  
Machinery industry  
Transportation equipment industries

**Occupational Options**

Progression to blacksmith, die setting or supervisory positions is possible with experience.

**Similar Occupations Classified Elsewhere**

*Blacksmiths and Die Setters (7266)*

Supervisors of forging machine operators (in 9226 *Supervisors, Other Mechanical and Metal Products Manufacturing*)

# 9513 Woodworking Machine Operators

Woodworking machine operators set up, program and operate one or more woodworking machines to fabricate and repair wooden parts for furniture, fixtures and other wood products.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
4	4	4	4	3	4	3	4	3

### INTERESTS

OMi

### DATA PEOPLE THINGS (DPT)

560

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	0	1	4	1	3

### ENVIRONMENTAL CONDITIONS (EC)

L1, H1, H3, H6, D1, D3, D4

### EDUCATION/TRAINING

2

## Examples of Job Titles

boring machine operator – woodworking  
CNC band saw operator – woodworking  
drill operator – woodworking  
drum sander – woodworking  
edge bander operator – woodworking  
glue machine operator – woodworking  
lathe operator – woodworking  
planer operator – woodworking  
rough mill operator – woodworking  
shaper – woodworking  
woodworking machine operator

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to read and interpret specifications to set up, program and operate woodworking machines
- **Form perception** to notice slight differences in size and finish of products when examining them for defects
- **Motor co-ordination and manual dexterity** to use computer numerically controlled (CNC) and manual woodworking machines such as saws, moulders, lathes, routers, planers, edgers, pressing machines, shapers, drills and sanders, and to operate gluing machines to glue pieces of wood together and press and affix wood veneer to wood surfaces
- **Objective interest in setting up**, programming and operating one or more CNC and manual woodworking machines to fabricate and repair parts for furniture, fixtures and other wood products; and in operating preset special-purpose woodworking machines to fabricate wood products such as coat hangers, mob handles, clothes pins and other products
- **Methodical interest in speaking** with supervisors to follow verbal instructions
- **Innovative interest in copying** information to tend preset, special-purpose machines; may clean and lubricate equipment, and replace parts as necessary



## Physical Activities

### Vision

- 2 Near vision

### Colour Discrimination

- 0 Not relevant

### Hearing

- 1 Limited

### Body Position

- 4 Other body positions

### Limb Co-ordination

- 1 Upper limb co-ordination

### Strength

- 3 Medium

## Environmental Conditions

### Location

- L1 Regulated inside climate

### Hazards

- H1 Dangerous chemical substances
- H3 Equipment, machinery, tools
- H6 Flying particles, falling objects

### Discomforts

- D1 Noise
- D3 Odours
- D4 Non-toxic dusts

## Employment Requirements

### Education/Training

- 2

- Some secondary school education is usually required.
- On-the-job training is usually provided.
- Experience as a labourer in the same company may be required.

## Workplaces/Employers

Fixture manufacturing companies

Furniture manufacturing companies

Wood products manufacturing establishments

## Occupational Options

Mobility is common among jobs in this group.

Progression to supervisory positions is possible with experience.

## Similar Occupations Classified Elsewhere

*Cabinetmakers (7272)*

*Carpenters (7271)*

Supervisors of woodworking machine operators (in 9224 *Supervisors, Furniture and Fixtures Manufacturing*)

# 9514 Metalworking Machine Operators

Light metalworking machine operators shape and form sheet and other light metal into parts and products. Heavy metalworking machine operators shape and form steel and other heavy metal into parts and products.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
3	4	4	3	3	4	3	4	3

### INTERESTS

OMi

### DATA PEOPLE THINGS (DPT)

560

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	0	1	4	1	3

### ENVIRONMENTAL CONDITIONS (EC)

L1, H3, H6, D1

### EDUCATION/TRAINING

2

## Examples of Job Titles

disk flange operator  
metalworking machine operator  
power press operator  
press brake operator  
punch press operator  
rolls operator  
saw operator – metal fabrication  
shear operator  
vertical press operator

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to read specifications to set up and operate metalworking machines to shape and form metal stock into parts and products
- **Spatial and form perception** to check products for correct shapes, dimensions and other specifications; may build staging and scaffolding for heavy metalworking jobs as required

- **Motor co-ordination and manual dexterity** to operate machines and equipment which weld, solder, bolt, screw and rivet metal parts together; may select and transport material to work areas manually or using cranes or hoists

- **Objective interest in setting up** and operating light or heavy metalworking machines such as shears, power presses, saws, plate rolls, drills, brakes, slitters, punch presses, and CNC (computer numerical control) equipment to cut, bend, roll, ream, punch, drill and otherwise shape or form metal stock

- **Methodical interest in speaking** with supervisors to follow verbal instructions; may clean and lubricate equipment
- **Innovative interest in copying** information to tend computerized equipment; may replace equipment parts as required

---

**Physical Activities**


---

**Vision**  
2 Near vision

**Colour Discrimination**  
0 Not relevant

**Hearing**  
1 Limited

**Body Position**  
4 Other body positions

**Limb Co-ordination**  
1 Upper limb co-ordination

**Strength**  
3 Medium

---

**Environmental Conditions**


---

**Location**  
L1 Regulated inside climate

**Hazards**  
H3 Equipment, machinery, tools  
H6 Flying particles, falling objects

**Discomforts**  
D1 Noise

---

**Employment Requirements**


---

**Education/Training**  
2

- Some secondary school education is usually required.
- On-the-job training is usually provided.
- Experience as a labourer or helper in the same company may be required.

---

**Workplaces/Employers**


---

Boiler and platework manufacturing companies

Heavy machinery manufacturing companies

Light metal products manufacturing companies

Sheet metal products manufacturing companies

Sheet metal shops

Shipbuilding industry

Structural steel fabrication companies

---

**Occupational Options**


---

There is little or no mobility between operators of light and heavy metalworking machines.

Progression to structural metal fabricator or supervisory positions is possible with experience.

---

**Similar Occupations Classified Elsewhere**


---

*Sheet Metal Workers (7261)*

*Structural Metal and Platework Fabricators and Fitters (7263)*

Supervisors of metalworking machine operators (in 9226 *Supervisors, Other Mechanical and Metal Products Manufacturing*)

# 9516 Other Metal Products Machine Operators

Other products machine operators, not elsewhere classified, operate one or more automatic and multi-purpose machines to produce metal parts and products such as wire mesh, nails, bolts and chains.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
4	4	4	4	4	4	4	4	3

### INTERESTS

MOd

### DATA PEOPLE THINGS (DPT)

684

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	0	1	2	1	2

### ENVIRONMENTAL CONDITIONS (EC)

L1, H3, D1

### EDUCATION/TRAINING

2

## Examples of Job Titles

bolt machine operator  
bullet maker  
can forming machine operator  
chain making machine operator  
metal cable maker operator  
nail making machine tender  
spring machine operator  
wire screen maker  
wire weaver

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to operate and tend automatic and multi-purpose machines to produce metal parts and products
- **Manual dexterity** to clean, polish, file and otherwise finish products
- **Methodical interest in comparing** information to check products for quality and other specifications; may clean and lubricate machinery
- **Objective interest in operating** automated and multi-purpose machines, including wire looms, to produce wire screening, fencing, tinware, metal baskets, racks, hooks, metal tubing and other metal articles
- **Directive interest** in fitting and assembling components using hand and power tools

## Physical Activities

### Vision

- 2 Near vision

### Colour Discrimination

- 0 Not relevant

### Hearing

- 1 Limited

### Body Position

- 2 Standing and/or walking

### Limb Co-ordination

- 1 Upper limb co-ordination

### Strength

- 2 Light

## Environmental Conditions

### Location

- L1 Regulated inside climate

### Hazards

- H3 Equipment, machinery, tools

### Discomforts

- D1 Noise

## Employment Requirements

### Education/Training

2

- Some secondary school education is usually required.
- On-the-job training is provided.
- Experience as a labourer in the same company may be required.

## Workplaces/Employers

Metal products manufacturing companies

## Occupational Options

There is some mobility among machine operators in this group.

Progression to supervisory positions is possible with experience.

## Similar Occupations Classified Elsewhere

*Forging Machine Operators* (9512)

*Machining Tool Operators* (9511)

*Metalworking Machine Operators* (9514)

Supervisors of machine operators in this group (in 9226 *Supervisors, Other Mechanical and Metal Products Manufacturing*)

# 9517 Other Products Machine Operators

Other products machine operators, not elsewhere classified, operate machines to cut, press, stamp, mould, treat, finish and otherwise fabricate jewellery, buttons, pencils, crayons, non-prescription lenses, brushes, notions and other miscellaneous components and products.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
4	4	4	4	4	5	4	4	3

### INTERESTS

MOd

### DATA PEOPLE THINGS (DPT)

684

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
2	1	1	4	1	3

### ENVIRONMENTAL CONDITIONS (EC)

L1, H3, D1

### EDUCATION/TRAINING

2

## Examples of Job Titles

- brush making machine operator
- button machine operator
- crayon making machine tender
- jewellery annealer
- prism maker operator
- skate press operator
- sports ball moulder
- stuffing machine tender
- tennis ball maker operator

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to operate and monitor machines that fabricate components and products; and may make routine changes of dies, nozzles and other machinery attachments
- **Manual dexterity** to load supplies into hoppers of dispensing units and manually align, feed and otherwise place materials into machines
- **Methodical interest** in **comparing** to clean work stations by removing scraps, dust, shavings and other by-products
- **Objective interest** in **operating** machines to cut, press, stamp, mould, treat, finish and otherwise fabricate components and products
- **Directive interest** in monitoring machines for proper operation watching for jammed materials, defective units and other irregularities

Physical Activities

Vision  
2 Near vision

Colour Discrimination  
1 Relevant

Hearing  
1 Limited

Body Position  
4 Other body positions

Limb Co-ordination  
1 Upper limb co-ordination

Strength  
3 Medium

Environmental Conditions

Location  
L1 Regulated inside climate

Hazards  
H3 Equipment, machinery, tools

Discomforts  
D1 Noise

Employment Requirements

Education/Training  
2

- Some secondary school education is usually required.
- On-the-job training is provided.
- Experience as a labourer in the same company may be required.

Workplaces/Employers

Manufacturing companies

Occupational Options

Progression to supervisory positions is possible with experience.

Similar Occupations Classified Elsewhere

*Other Assemblers and Inspectors (9498)*

Supervisors of machine operators in this group (in 9227 *Supervisors, Other Products Manufacturing and Assembly*)



# 9611 Labourers in Mineral and Metal Processing

Labourers in this group perform material handling, clean-up, packaging and other routine activities in mineral ore and metal processing.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
4	4	4	4	4	5	4	4	3

### INTERESTS

MOI

### DATA PEOPLE THINGS (DPT)

684

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
3	1	1	4	2	4

### ENVIRONMENTAL CONDITIONS (EC)

L1, H3, H6, H7, D1, D4

### EDUCATION/TRAINING

2

## Examples of Job Titles

asbestos worker  
billet pusher  
brick and tile kiln cleaner  
casting helper  
foundry labourer  
furnace helper  
glass packer  
kiln labourer  
metal pourer helper  
rolling mill worker  
salt screening labourer  
tailings labourer

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to perform material handling, clean-up, packaging and other activities to assist process and machine operators in mineral ore and metal processing

- **Manual dexterity** to feed conveyors, crushers and other equipment, to open valves and start pumps, to skim dross from furnaces and to stack, bundle and transport materials manually

- **Methodical interest in comparing** information to clean work areas and equipment

- **Objective interest in operating** forklifts and other powered equipment to transport raw materials, finished products, scrap and recyclable materials throughout plant

- **Innovative interest** in sorting and stamping materials; may assist with minor repairs and maintenance

## Physical Activities

### Vision

- 3 Near and far vision

### Colour Discrimination

- 1 Relevant

### Hearing

- 1 Limited

### Body Position

- 4 Other body positions

### Limb Co-ordination

- 2 Multiple limb co-ordination

### Strength

- 4 Heavy

## Environmental Conditions

### Location

- L1 Regulated inside climate

### Hazards

- H3 Equipment, machinery, tools
- H6 Flying particles, falling objects
- H7 Fire, steam, hot surfaces

### Discomforts

- D1 Noise
- D4 Non-toxic dusts

## Employment Requirements

### Education/Training

- 2

- Completion of secondary school may be required for some positions in this group.

## Workplaces/Employers

Mineral, ore and metal processing plants such as:

Aluminum plants

Cement processing plants

Clay, glass and stone processing plants

Foundries

Metal refineries

Mineral ore mills

Steel mills

Uranium processing plants

## Occupational Options

Progression to machine and process operator positions is possible with experience.

## Similar Occupations Classified Elsewhere

*Labourers in Metal Fabrication (9612)*

*Machine Operators and Related Workers in Metal and Mineral Products Processing (941)*

# 9612      Labourers in Metal Fabrication

Labourers in this group remove excess metal and unwanted materials from metal products and perform other labouring activities.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
4	4	4	4	4	5	4	4	3

### INTERESTS

MOi

### DATA PEOPLE THINGS (DPT)

684

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
3	0	1	4	1	4

### ENVIRONMENTAL CONDITIONS (EC)

L1, H3, H6, D1

### EDUCATION/TRAINING

2

## Examples of Job Titles

- chipper-grinder
- forge helper
- grinder-deburrer
- labourer – metal fabrication
- metal cleaner
- metalworking machine helper
- plater helper
- shipfitter helper
- shotblaster
- wheelabrator operator

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning and verbal ability** to read and interpret work orders and remove excess metals and unwanted materials from metal parts, castings and other metal products; and to assist structural steel and platework fitters, sheet metal workers, metalworking machine operators and other metal workers
- **Manual dexterity** to immerse metal products in cleaning solutions, and to transport raw materials and finished metal products manually or by using hoists and other devices; may grind and chip excess metal from metal products using hand tools
- **Methodical interest in comparing** information to clean work areas and equipment; and in loading and unloading vehicles using hand carts and dollies
- **Objective interest in operating** metal-cleaning equipment such as wheelabrators, deburrers and shotblasters to remove excess welds, rust, scale and other material from surfaces of metal parts, castings and other metal products
- **Innovative interest** in sorting metal sheets and parts, scrap metal and other materials

---

**Physical Activities**


---

**Vision**

- 3 Near and far vision

**Colour Discrimination**

- 0 Not relevant

**Hearing**

- 1 Limited

**Body Position**

- 4 Other body positions

**Limb Co-ordination**

- 1 Upper limb co-ordination

**Strength**

- 4 Heavy

---

**Environmental Conditions**


---

**Location**

- L1 Regulated inside climate

**Hazards**

- H3 Equipment, machinery, tools  
H6 Flying particles, falling objects

**Discomforts**

- D1 Noise

---

**Employment Requirements**


---

**Education/Training**

2

- Some secondary school education may be required.

---

**Workplaces/Employers**


---

Heavy machinery manufacturing plants

Metal products manufacturing companies

Sheet metal fabrication shops

Shipbuilding companies

Structural steel, boiler and platework fabrication plants

---

**Occupational Options**


---

There is some mobility among occupations in this group.

Progression to metal-working machine operator positions is possible with experience.

---

**Similar Occupations Classified Elsewhere**


---

*Labourers in Mineral and Metal Processing (9611)*

Metal machine operators (in several groups in 951 *Machining, Metalworking, Woodworking and Related Machine Operators*)

# 9613      Labourers in Chemical Products Processing and Utilities

Labourers in this group carry out a variety of material handling, cleaning and routine labouring activities.

---

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
4	4	4	4	4	5	3	4	3

### INTERESTS

MOi

### DATA PEOPLE THINGS (DPT)

684

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
3	0	1	4	1	4

### ENVIRONMENTAL CONDITIONS (EC)

L1, H1, H3, D1, D3

### EDUCATION/TRAINING

2

---

## Examples of Job Titles

cleaner, filter – chemical processing  
cleaner, still – chemical processing  
coating machine feeder – chemical processing

helper – chemical processing

labourer – gas utility

loader – chemical processing

retort unloader

water intake tender

waterworks labourer

---

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to carry out a variety of material handling, cleaning and labouring activities
- **Motor co-ordination and manual dexterity** to feed and unload production machinery and equipment, to move and pile materials and products manually and to perform general duties such as basic construction, painting and other manual tasks
- **Methodical interest in comparing** information to clean production areas and chemical processing machines and equipment
- **Objective interest in operating** equipment to move and pile materials and products; and in assisting workers to operate processing plant equipment
- **Innovative interest** in sorting materials and products, and in assisting other workers to repair and maintain processing, gas distribution, water filtration and waste water plant equipment

### Physical Activities

**Vision**  
3 Near and far vision

**Colour Discrimination**  
0 Not relevant

**Hearing**  
1 Limited

**Body Position**  
4 Other body positions

**Limb Co-ordination**  
1 Upper limb co-ordination

**Strength**  
4 Heavy

### Environmental Conditions

**Location**  
L1 Regulated inside climate

**Hazards**  
H1 Dangerous chemical substances  
H3 Equipment, machinery, tools

**Discomforts**  
D1 Noise  
D3 Odours

### Employment Requirements

**Education/Training**  
2

- Completion of secondary school may be required.

### Workplaces/Employers

Chemical companies  
Electrical, water and waste treatment utilities  
Petroleum and natural gas processing companies  
Pharmaceutical companies  
Pipeline and petrochemical companies

### Occupational Options

Considerable mobility is possible among jobs in this occupational group.

Progression to operator positions in the chemical or utility industry is possible with experience and appropriate entry qualifications.

### Similar Occupations Classified Elsewhere

*Chemical Plant Machine Operators*  
(9421)

*Petroleum, Gas and Chemical Process Operators* (9232)

*Power Systems and Power Station Operators* (7352)

*Supervisors, Petroleum, Gas and Chemical Processing and Utilities* (9212)

*Water and Waste Plant Operators*  
(9424)

*Waterworks and Gas Maintenance Workers* (7442)



# 9614     Labourers in Wood, Pulp and Paper Processing

Labourers in this group carry out general labouring and routine wood processing activities, and assist pulp mill and papermaking machine operators.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
4	4	5	4	4	5	4	4	3

### INTERESTS

MOi

### DATA PEOPLE THINGS (DPT)

684

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
3	0	1	4	2	4

### ENVIRONMENTAL CONDITIONS (EC)

L1, L2, L4, H3, H6, D1, D2, D3, D4

### EDUCATION/TRAINING

3

## Examples of Job Titles

- beater operator helper – pulp and paper
- chip bin attendant – wood processing
- conveyor cleaner – pulp and paper
- green wood chainman/woman – wood processing
- grinder feeder – pulp and paper
- labourer – pulp and paper
- labourer – wood processing
- lumber straightener – wood processing
- plywood drier feeder
- sheeter helper – pulp and paper
- utility man/woman – pulp and paper

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to carry out general labouring and routine wood processing activities, and to assist other wood processing workers in operating, maintaining and repairing various machines and equipment
- **Manual dexterity** to feed logs onto conveyors and into hoppers of grinding machines and align logs manually; to use tools and equipment, feed conveyors, saws, drying machines and other equipment to process lumber, shingles, veneer, plywood, and similar wood products; and to pile and transport wood products manually during various stages of wood processing
- **Methodical interest** in comparing information to clean work areas and wood processing machines and equipment using shovels, hoses and other tools
- **Objective interest** in operating forklifts and other equipment to load processing materials onto conveyors and into processing tanks, to remove and transport recyclable paper and pulp, to pile and transport wood products, and to remove scrap lumber and wood chips for reprocessing
- **Innovative interest** in sorting lumber, veneer sheets, panelboards and similar wood products



---

**Physical Activities**


---

**Vision**

- 3 Near and far vision

**Colour Discrimination**

- 0 Not relevant

**Hearing**

- 1 Limited

**Body Position**

- 4 Other body positions

**Limb Co-ordination**

- 2 Multiple limb co-ordination

**Strength**

- 4 Heavy

---

**Environmental Conditions**


---

**Location**

- L1 Regulated inside climate
- L2 Unregulated inside climate
- L4 In a vehicle or cab

**Hazards**

- H3 Equipment, machinery, tools
- H6 Flying particles, falling objects

**Discomforts**

- D1 Noise
- D2 Vibration
- D3 Odours
- D4 Non-toxic dusts

---

**Employment Requirements**


---

**Education/Training**

3

- Completion of secondary school is required by the pulp and paper industry and by other large employers.

---

**Workplaces/Employers**


---

Paper converting companies

Planing mills

Pulp and paper companies

Sawmills

Waferboard plants

Wood processing companies

Wood treatment plants

---

**Occupational Options**


---

There is considerable mobility among jobs within individual establishments.

Progression to machine or plant operating positions is possible with experience.

---

**Similar Occupations Classified Elsewhere**


---

*Machine Operators and Related Workers in Pulp and Paper Production and Wood Processing (943)*

*Supervisors, Forest Products Processing (9215)*

9615

Labourers in Rubber and Plastic Products Manufacturing

Labourers in this group assist machine operators, move materials and perform routine tasks.

Profile Summary

Aptitudes

G	V	N	S	P	Q	K	F	M
4	5	5	4	4	5	4	4	4

Interests

MOi

Data People Things (DPT)

687

Physical Activities (PA)

V	C	H	B	L	S
3	0	1	4	1	4

Environmental Conditions (EC)

L1, H3, D1, D3

Education/Training

2

Examples of Job Titles

- belt builder helper
- labourer – plastic products manufacturing
- labourer – rubber products manufacturing
- machine offbearer – rubber products manufacturing
- mould cleaner – rubber products manufacturing
- moulded products stripper – rubber and plastic products manufacturing
- roll changer – rubber manufacturing
- spreader operator helper – plastic products manufacturing

Descriptor Profile

Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to assist machine operators and assemblers in performing their duties, and in setting up and dismantling machinery and equipment
- **Methodical interest** in comparing information to clean and lubricate machinery and equipment, and to prepare raw materials for mixing processes
- **Objective interest** in handling to transport materials and tools to and from work areas using handcarts and other conveyances
- **Innovative interest** in monitoring machines to watch for jammed materials and defective products

Physical Activities

Vision  
3 Near and far vision

Colour Discrimination  
0 Not relevant

Hearing  
1 Limited

Body Position  
4 Other body positions

Limb Co-ordination  
1 Upper limb co-ordination

Strength  
4 Heavy

Environmental Conditions

Location  
L1 Regulated inside climate

Hazards  
H3 Equipment, machinery, tools

Discomforts  
D1 Noise  
D3 Odours

Employment Requirements

Education/Training  
2

- Some secondary school education is usually required.

Workplaces/Employers

Rubber and plastic products manufacturing companies

Occupational Options

Progression to machine operator or assembler positions in rubber and plastic products manufacturing is possible with experience.

Similar Occupations Classified Elsewhere

*Plastic Products Assemblers, Finishers and Inspectors (9495)*

*Plastics Processing Machine Operators (9422)*

*Rubber Processing Machine Operators and Related Workers (9423)*

*Supervisors, Plastic and Rubber Products Manufacturing (9214)*

# 9616     Labourers in Textile Processing

Labourers in this group perform a variety of manual duties to assist in the processing of fibres and the production of textile fabrics and other textile products.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
4	4	5	4	4	4	4	4	3

### INTERESTS

Moi

### DATA PEOPLE THINGS (DPT)

686

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
3	0	1	4	1	4

### ENVIRONMENTAL CONDITIONS (EC)

L1, D1, D4

### EDUCATION/TRAINING

2

## Examples of Job Titles

doffer  
dyeing and finishing machine loader  
helper – textiles  
textile machine cleaner  
waste machine feeder  
yarn handler

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to perform a variety of manual duties to assist in processing fibres into yarns and threads, and to assist machine operators and other textile workers as required
- **Manual dexterity** to push carts, trucks and cans of fibres from one work area to another
- **Methodical interest** in comparing information to clean textile machines and work areas
- **Objective interest** in **feeding – offbearing** to load and off-load machines
- **Innovative interest** in assisting with weaving, knitting, bleaching, dyeing and finishing of textile fabrics and other textile products

---

**Physical Activities**


---

**Vision**

- 3 Near and far vision

**Colour Discrimination**

- 0 Not relevant

**Hearing**

- 1 Limited

**Body Position**

- 4 Other body positions

**Limb Co-ordination**

- 1 Upper limb co-ordination

**Strength**

- 4 Heavy

---

**Environmental Conditions**


---

**Location**

- L1 Regulated inside climate

**Discomforts**

- D1 Noise  
D4 Non-toxic dusts

---

**Employment Requirements**


---

**Education/Training**

2

- Some secondary school education may be required.

---

**Workplaces/Employers**


---

Textile companies

---

**Occupational Options**


---

Progression to machine operator positions is possible with experience.

---

**Similar Occupations Classified Elsewhere**


---

*Machine Operators and Related Workers in Textile Processing (944)*

*Supervisors, Textile Processing (9216)*

# 9617     Labourers in Food, Beverage and Tobacco Processing

Labourers in this group perform material handling, clean-up, packaging and other routine activities related to food, beverage and tobacco processing.

## Profile Summary

APTITUDES								
G	V	N	S	P	Q	K	F	M
4	5	5	4	4	5	4	4	3
INTERESTS								
MOi								
DATA PEOPLE THINGS (DPT)								
686								
PHYSICAL ACTIVITIES (PA)								
V	C	H	B	L	S			
3	0	1	4	1	4			
ENVIRONMENTAL CONDITIONS (EC)								
L1, H3, D1, D3								
EDUCATION/TRAINING								
2								

## Examples of Job Titles

- bottle washer
- brewery labourer
- cigarette packer
- dairy helper
- food processing labourer
- meat packager
- potato chip sorter
- production helper

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to perform material handling, clean-up, packaging and other routine activities related to food, beverage and tobacco processing, and to assist process control and machine operators in performing their duties
- **Manual dexterity** to transport raw materials, finished products and packaging materials throughout the plant and warehouse manually, and to pack goods into bags, boxes and other containers
- **Methodical interest** in comparing information to clean work areas and equipment; and in measuring ingredients
- **Objective interest in feeding – offbearing** to dump ingredients into hoppers of mobile tank trucks and mixing and grinding machines, to feed flattened boxes into forming machines to construct containers, to remove filled containers from conveyors, and to feed and unload tobacco processing machines
- **Innovative interest** in checking products and packaging for basic quality defects

## Physical Activities

Vision  
3 Near and far vision

Colour Discrimination  
0 Not relevant

Hearing  
1 Limited

Body Position  
4 Other body positions

Limb Co-ordination  
1 Upper limb co-ordination

Strength  
4 Heavy

## Environmental Conditions

Location  
L1 Regulated inside climate

Hazards  
H3 Equipment, machinery, tools

Discomforts  
D1 Noise  
D3 Odours

## Employment Requirements

Education/Training  
2

- Some secondary school education may be required.

## Workplaces/Employers

Bakeries

Breweries

Dairies

Flour mills

Food, beverage and tobacco processing plants

Fruit and vegetable processing plants

Meat plants

Sugar refineries

## Occupational Options

There is some mobility among occupations in this group.

Labourers in food, beverage and tobacco processing may progress to machine or process operating positions with experience.

## Similar Occupations Classified Elsewhere

*Labourers in Fish Processing (9618)*

*Process Control and Machine Operators, Food and Beverage Processing (9461)*

*Tobacco Processing Machine Operators (9464)*



# 9618     Labourers in Fish Processing

Labourers in this group perform clean-up, packaging, material handling and other elemental activities related to fish processing.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
4	4	5	4	4	5	3	4	3

### INTERESTS

MOi

### DATA PEOPLE THINGS (DPT)

686

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
3	0	1	4	2	4

### ENVIRONMENTAL CONDITIONS (EC)

L1, L2, L3, D3, D5

### EDUCATION/TRAINING

2

## Examples of Job Titles

- cannery labourer
- fish briner
- fish plant labourer
- fish salter
- fish weigher
- shellfish labourer
- shellfish packer

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to perform clean-up, packaging, material handling and other routine activities related to fish processing
- **Motor co-ordination and manual dexterity** to unload fish and shellfish from fishing vessels and transport them by hand or forklift truck to work areas in fish processing plants, to immerse fresh fish fillets in brine solution in order to condition them for wrapping or freezing, and to pack fish in ice
- **Methodical interest in comparing** information to clean work areas and equipment, and to record weights
- **Objective interest in feeding – offbearing** to dump ingredients into hoppers of mixing and grinding machines, and in transporting supplies and packaging materials throughout plants and storage areas manually and with powered equipment
- **Innovative interest** in sorting fish according to species weight and destination, in weighing fish and shellfish, and in measuring ingredients

---

**Physical Activities**


---

**Vision**

- 3 Near and far vision

**Colour Discrimination**

- 0 Not relevant

**Hearing**

- 1 Limited

**Body Position**

- 4 Other body positions

**Limb Co-ordination**

- 2 Multiple limb co-ordination

**Strength**

- 4 Heavy

---

**Environmental Conditions**


---

**Location**

- L1 Regulated inside climate  
L2 Unregulated inside climate  
L3 Outside

**Discomforts**

- D3 Odours  
D5 Wetness

---

**Employment Requirements**


---

**Education/Training**

2

- Some secondary school education may be required.

---

**Workplaces/Employers**


---

Fish processing and packaging plants

---

**Occupational Options**


---

Progression to other occupations in the fish processing industry is possible with experience.

---

**Similar Occupations Classified Elsewhere**


---

*Fish Plant Workers* (9463)

Foremen/women of workers in fish processing (in 9213 *Supervisors, Food, Beverage and Tobacco Processing*)

# 9619 Other Labourers in Processing, Manufacturing and Utilities

This group includes labourers, not elsewhere classified, who perform material handling, clean-up, packaging and other elemental activities in processing, manufacturing and utilities.

## Profile Summary

### APTITUDES

G	V	N	S	P	Q	K	F	M
4	4	4	4	4	5	4	4	3

### INTERESTS

MOi

### DATA PEOPLE THINGS (DPT)

687

### PHYSICAL ACTIVITIES (PA)

V	C	H	B	L	S
3	0	1	4	1	4

### ENVIRONMENTAL CONDITIONS (EC)

L1, H3

### EDUCATION/TRAINING

2

## Examples of Job Titles

bindery helper  
box packer  
carton marker  
chair sander  
clothing plant labourer  
electrical products labourer  
film cutter – film processing  
furniture packer  
garment folder  
labourer, shoe manufacturing  
lens blocker  
packager, machine  
seed packager  
sorter, recyclable materials  
upholsterer helper

## Descriptor Profile

### Main Characteristics

Occupations in this group are characterized by the following aptitudes, interests and worker functions as they relate to main duties:

- **General learning ability** to perform material handling, clean-up, packaging and other elemental activities in processing, manufacturing and utilities, and to assist machine operators, assemblers and other workers
- **Manual dexterity** to pack, crate and package materials and products
- **Methodical interest** in **comparing** information to clean work areas and equipment
- **Objective interest** in **handling** to transport raw materials, finished products and equipment throughout plant manually and using powered equipment
- **Innovative interest** in checking and weighing materials and products

---

**Physical Activities**


---

Vision  
3 Near and far vision

Colour Discrimination  
0 Not relevant

Hearing  
1 Limited

Body Position  
4 Other body positions

Limb Co-ordination  
1 Upper limb co-ordination

Strength  
4 Heavy

---

**Environmental Conditions**


---

Location  
L1 Regulated inside climate

Hazards  
H3 Equipment, machinery, tools

---

**Employment Requirements**


---

Education/Training  
2

- Some secondary school education may be required.

---

**Workplaces/Employers**


---

Clothing manufacturing companies

Electrical and electronic products manufacturing companies

Footwear manufacturing companies

Furniture manufacturing companies

Printing and packaging companies

---

**Occupational Options**


---

There is some mobility among occupations in this group.

Progression to machine operating positions is possible with experience.

---

**Similar Occupations Classified Elsewhere**


---

Supervisors of labourers in this group (in 9227 *Supervisors, Other Products Manufacturing and Assembly*)















# Career Handbook

## Second Edition

The *Career Handbook* is the counselling component of the National Occupational Classification (NOC) system. The Second Edition reflects the revisions made to the classification system in 2001.

The updated *Career Handbook* provides 923 occupational profiles for counselling based on NOC 2001 occupations and maintains the original descriptor scales, factors and presentation format. It includes information on aptitudes, interests, data/people/things interactions, physical activities, environmental conditions, education/training indicators, career progression and work settings.

The *Career Handbook* provides global ratings assigned to occupations to further define skills, worker characteristics and other indicators related to occupations that are important for career exploration and informed career decision-making. This counselling resource is used by a wide range of professionals for many applications, and by individuals engaged in self-directed career planning.

1581 0-660-18908-9



4 100503 265036